

Persons and Crashes

Section 1: Persons and Crashes

Persons and Crashes 2006 Fact Sheet 11-12

Trends

Utah vs. U.S. Death Rate per Miles Traveled ... 13

Persons Involved 1997-2006 14

Crashes 1997-2006..... 15

Deaths by Month 1997-2006..... 16

Holiday Deaths 1997-2006..... 17

Counties

Persons Involved in Crashes by County 18

Change in Number of Deaths from 2005 to 2006 by County... 19

Crashes by County..... 20

County Crash Rate by Miles Traveled..... 21

Characteristics of Persons Involved

Injury Severity 22

Person Placement..... 22

Gender of Persons Involved in Crashes..... 22

Age of Persons Involved in Crashes 23

Driver Characteristics

Driver Age 24

Rate of Licensed Drivers in Crashes by Age..... 24

Driver Gender 25

Out-of-State Drivers 25

Crash Characteristics

Crash Severity 26

Month of Year 26

Day of Week 26

Hour of Day 27

Urban/Rural Location 28

Road Surface Condition 28

Light Condition 28

Vehicle Type 29

Vehicle Maneuver 30

Speed Limit 30

Travel Speed..... 31

First Harmful Event 32

Collision Description..... 33

Number of Vehicles Involved 33

Driver Distraction 33

Percent of Crashes Involving Animals by County 34

Violations 35

Contributing Factors..... 36

2006

PERSONS AND CRASHES

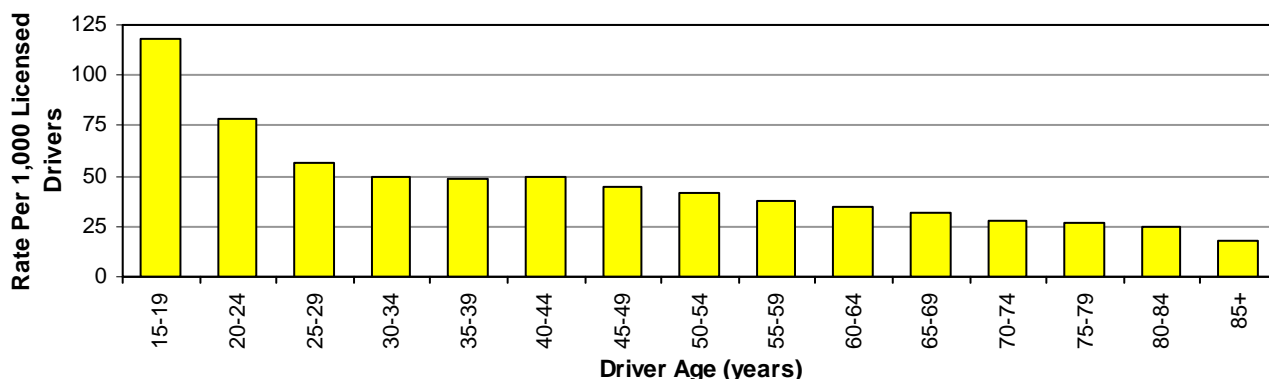


Motor vehicle crashes are the leading cause of death for ages 2 through 34 in the United States.

Did you know in 2006:

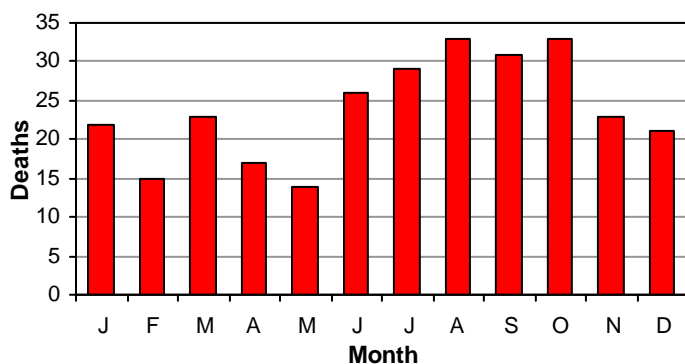
- 56,187 motor vehicle crashes occurred in Utah which resulted in 27,257 injured persons and 287 deaths.
- Utah's crash rate decreased 1.8% from 2005 while the fatal crash rate increased 1.1%.
- A motor vehicle crash occurred in Utah every 9 minutes, a person was injured in a crash every 19 minutes, and a person died in a crash every 30 hours.

Crash Rates per Licensed Drivers by Age (Utah 2006)



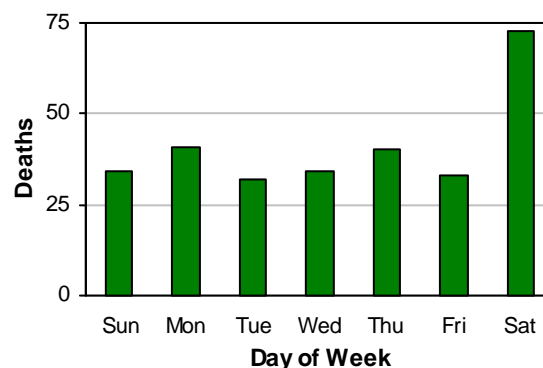
- Drivers aged 15-19 years had the highest crash rates per licensed driver.
- Older drivers had the lowest crash rates per licensed driver.

Deaths by Month (Utah 2006)



- Nearly one-half (43%) of deaths occurred July through October.

Deaths by Day of Week (Utah 2006)



- One-fourth of deaths occurred on Saturday.

Leading Contributing Factors (Utah 2006)

All Crashes

1. Followed Too Closely (13%)
2. Failed to Yield Right of Way (13%)
3. Speed Too Fast (10%)
4. Driver Distraction (8%)
5. Vision Obscured by Weather Condition (5%)

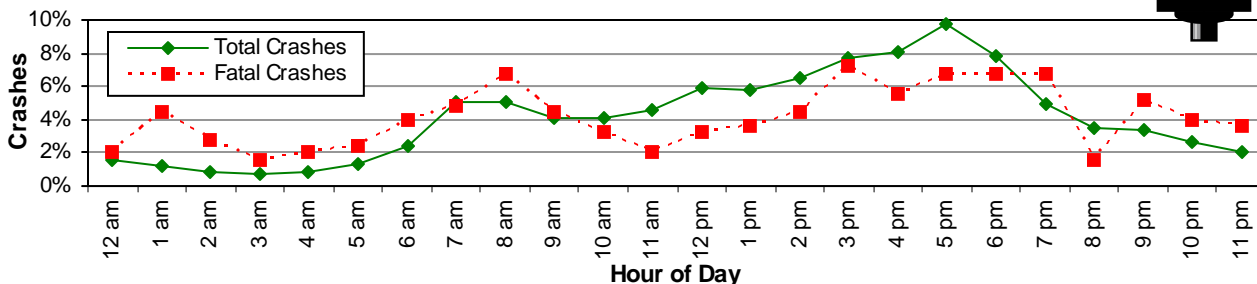
Fatal Crashes

1. Reckless/Aggressive Driving (32%)
2. Speed Too Fast (20%)
3. Failed to Yield Right of Way (10%)
4. Wrong Side/Wrong Way (7%)
5. Driving Under the Influence (4%)

PERSONS AND CRASHES

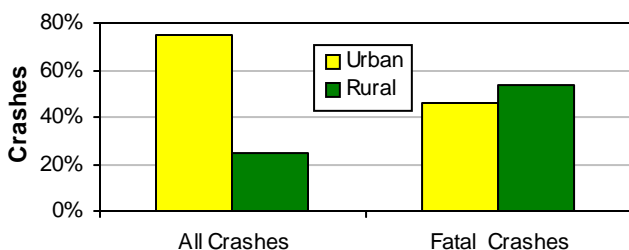


Motor Vehicle Crashes by Hour of Day (Utah 2006)



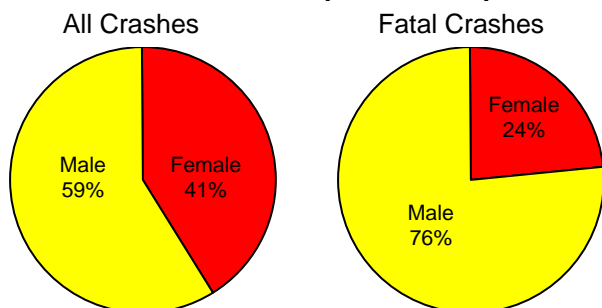
- Total crashes were more likely to occur between 2:00 p.m. and 6:00 p.m., with a peak at 5:00 p.m.
- Fatal crashes were highest during the hours of 8:00 a.m. and 3:00 p.m. to 7:00 p.m.

Urban/Rural Location (Utah 2006)



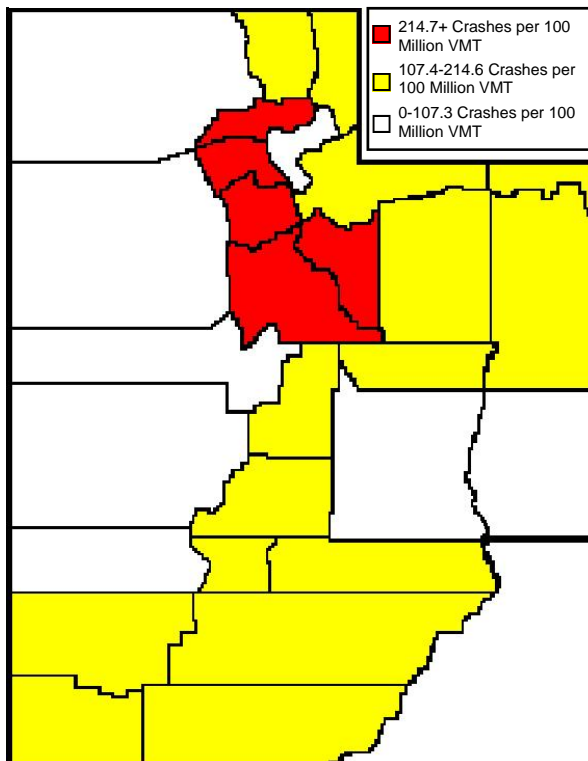
- While the majority of all crashes occurred in urban areas (75%), the majority of fatal crashes occurred in rural areas (54%).
- Rural crashes were 3.5 times more likely to be fatal than urban crashes.

Driver Gender (Utah 2006)



- Males represented 59% of all drivers in crashes and 76% of drivers in fatal crashes.

County Crash Rates by Miles Traveled (Utah 2006)



- Weber, Salt Lake, Davis, Wasatch, and Utah Counties had the highest crash rates per miles traveled.

Leading Crash Descriptions (Utah 2006)

All Crashes

1. Rear End (27%)
2. Broadside (21%)
3. Sideswipe (10%)
4. Head On (7%)
5. Parked Vehicle (5%)

Fatal Crashes

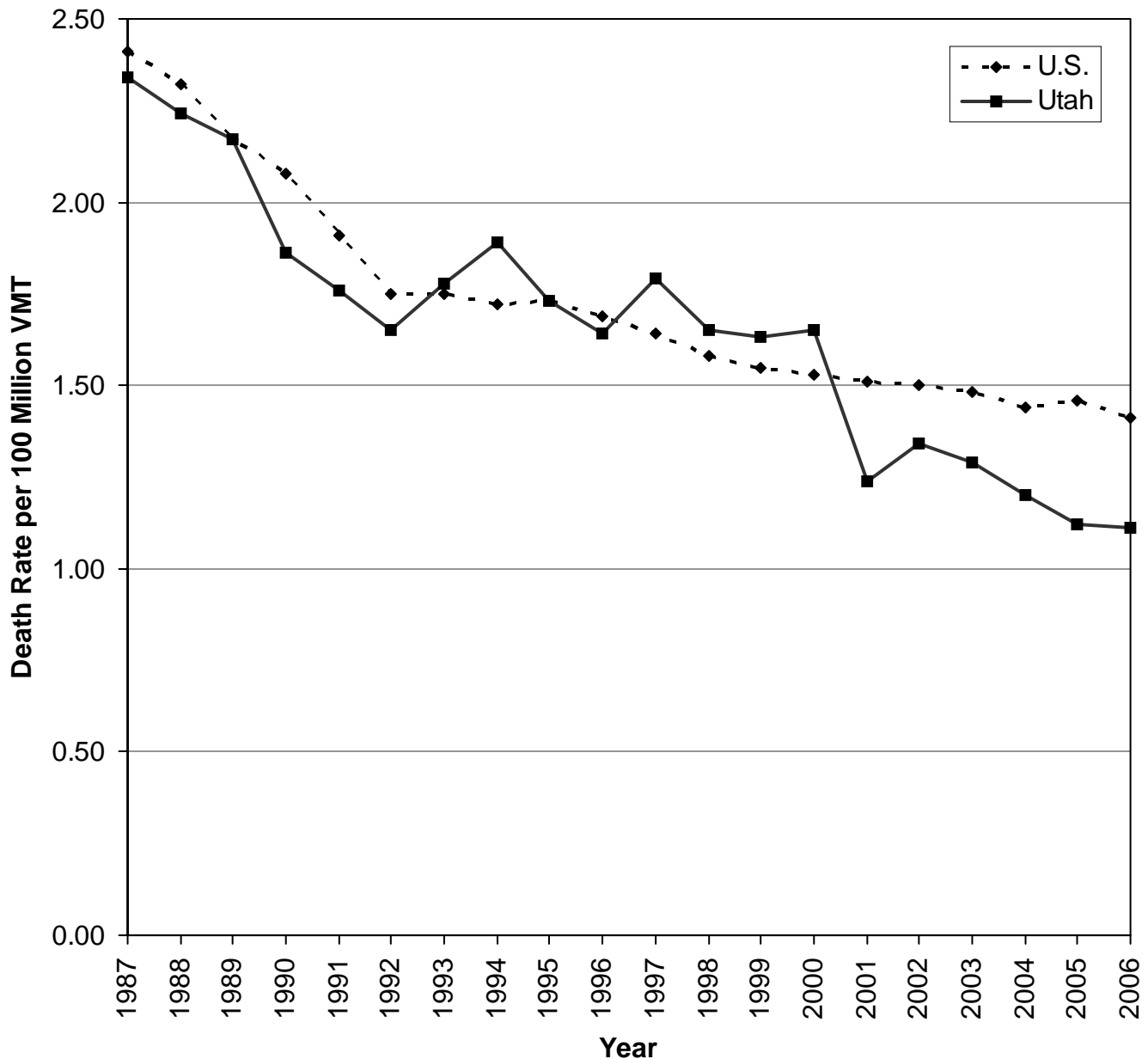
1. Single Vehicle Rollover (27%)
2. Broadside (16%)
3. Pedestrian/Bicyclist (16%)
4. Head On (13%)
5. Sideswipe (5%)

Vehicle rollovers were 11 times more likely to result in a death than other crashes.

Trends

Utah vs. U.S. Death Rate per 100 Million Vehicle Miles Traveled, 1987-2006

Death Rate per Miles Traveled																					
	Year																				
	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	
U.S.	2.41	2.32	2.17	2.08	1.91	1.75	1.75	1.72	1.73	1.69	1.64	1.58	1.55	1.53	1.51	1.50	1.48	1.44	1.46	1.41	
Utah	2.34	2.24	2.17	1.86	1.76	1.65	1.78	1.89	1.73	1.64	1.79	1.65	1.63	1.65	1.24	1.34	1.29	1.20	1.12	1.11	



SOURCE: National Highway Traffic Safety Administration

- In 2006, the Utah death rate per 100 million vehicle miles traveled was 1.11 which was lower than the U.S. rate of 1.41.
- The Utah death rate per 100 million vehicle miles traveled has been lower than the U.S. rate since 2001.

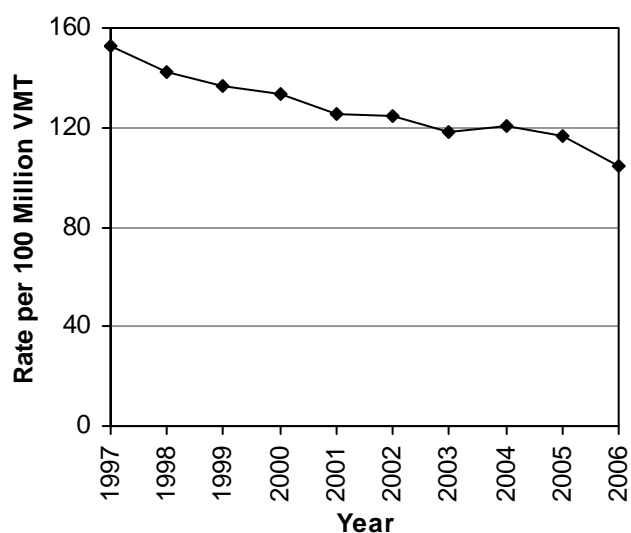
Trends

Persons Involved (Utah 1997-2006)

Persons								
Year	Non-Injured		Injured		Killed		Total	
	#	Rate per	#	Rate per	#	Rate per	#	Rate per
		100 Million VMT		100 Million VMT		100 Million VMT		100 Million VMT
1997	111,610	546.9	31,238	153.1	366	1.79	143,214	701.8
1998	110,879	522.1	30,232	142.4	350	1.65	141,461	666.1
1999	109,354	500.1	29,959	137.0	360	1.65	139,673	638.7
2000	110,318	489.9	30,086	133.6	373	1.66	140,777	625.2
2001	108,427	463.4	29,375	125.5	291	1.24	138,093	590.2
2002	109,878	449.6	30,433	124.5	328	1.34	140,639	575.5
2003	104,660	436.8	28,352	118.3	309	1.29	133,321	556.4
2004	111,225	451.4	29,638	120.3	296	1.20	141,159	572.8
2005	115,546	459.8	29,221	116.3	282	1.12	145,049	577.2
2006	116,363	444.7	27,257	104.2	287	1.10	143,907	550.0
Total	1,108,260	474.1	295,791	126.5	3,242	1.39	1,407,293	602.0

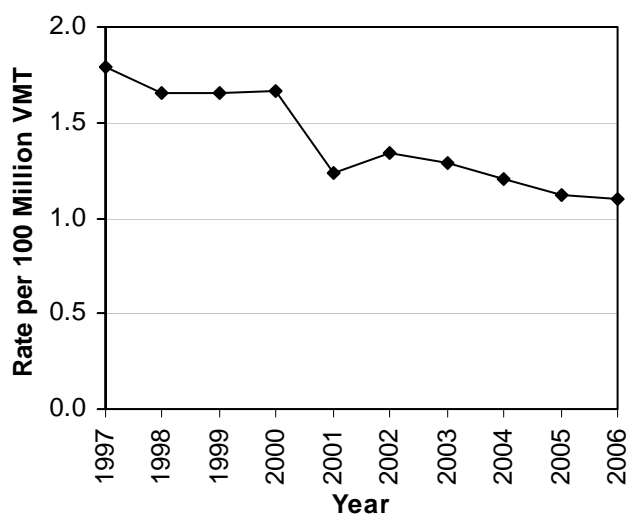
- During the last 10 years, over 1.4 million people have been in a crash. Approximately 29,600 people are injured and 324 people are killed in motor vehicle crashes a year.
- The 2006 injury rate was 104.2; a 10.4% decrease from 2005.
- Utah experienced a 1.8% increase in the number of crash deaths in 2006 from 2005.
- There were more crashes in 2006 than 2005, yet there were less people in crashes in 2006 than 2005. This suggests vehicles in crashes with less passengers and/or more single vehicle crashes.

Injured Person Rates Per 100 Million Vehicle Miles Traveled (Utah 1997-2006)



- There has been a 31.9% decrease in the rate of people injured in crashes per miles traveled over the last 10 years.

Death Rates Per 100 Million Vehicle Miles Traveled (Utah 1997-2006)



- There has been a 38.5% decrease in the rate of people killed in crashes per miles traveled over the last 10 years.

Trends

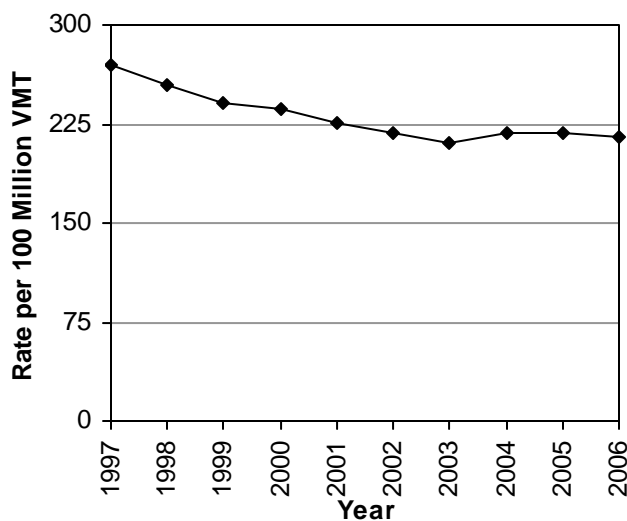
Crashes (Utah 1997-2006)

Crashes								
Year	Property Damage Only		Injury		Fatal		Total	
	#	Rate per	#	Rate per	#	Rate per	#	Rate per
		100 Million VMT		100 Million VMT		100 Million VMT		100 Million VMT
1997	33,512	164.2	21,131	103.5	309	1.51	54,952	269.3
1998	34,337	161.7	19,427	91.5	308	1.45	54,072	254.6
1999	32,971	150.8	19,513	89.2	318	1.45	52,802	241.5
2000	33,269	147.7	19,564	86.9	318	1.41	53,151	236.0
2001	33,113	141.5	19,332	82.6	258	1.10	52,703	225.2
2002	33,542	137.2	19,552	80.0	274	1.12	53,368	218.4
2003	31,842	132.9	18,285	76.3	262	1.09	50,389	210.3
2004	34,222	138.9	19,423	78.8	260	1.06	53,905	218.8
2005	35,158	139.9	19,545	77.8	235	0.94	54,938	218.6
2006	37,749	144.3	18,189	69.5	249	0.95	56,187	214.7
Total	339,715	145.3	193,961	83.0	2,791	1.19	536,467	229.5

NOTE: A crash may result in multiple injuries and/or deaths. See previous page for persons.

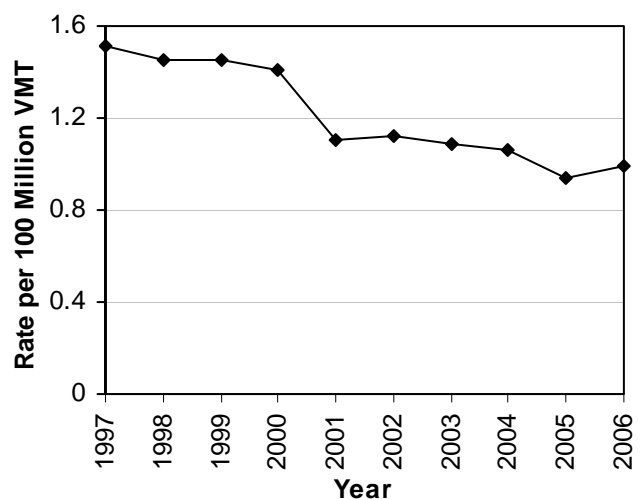
- During the last 10 years, 536,467 motor vehicle crashes occurred in Utah. On average, there are 53,650 crashes a year of which 19,400 involve injuries and 280 involve deaths.
- In 2006, the total crash rate in Utah was 214.7, a 1.8% decrease from 2005. The injury crash rate was 69.5, a 10.7% decrease from 2005. The 2006 fatal crash rate was 0.95, a 1.1% increase from 2005.

**Crash Rates Per
100 Million Vehicle Miles Traveled
(Utah 1997-2006)**



- Total crash rates have been mostly level since 2003 after seeing decreases the previous years.
- There has been a 20.3% decrease in the total crash rate since 1997.

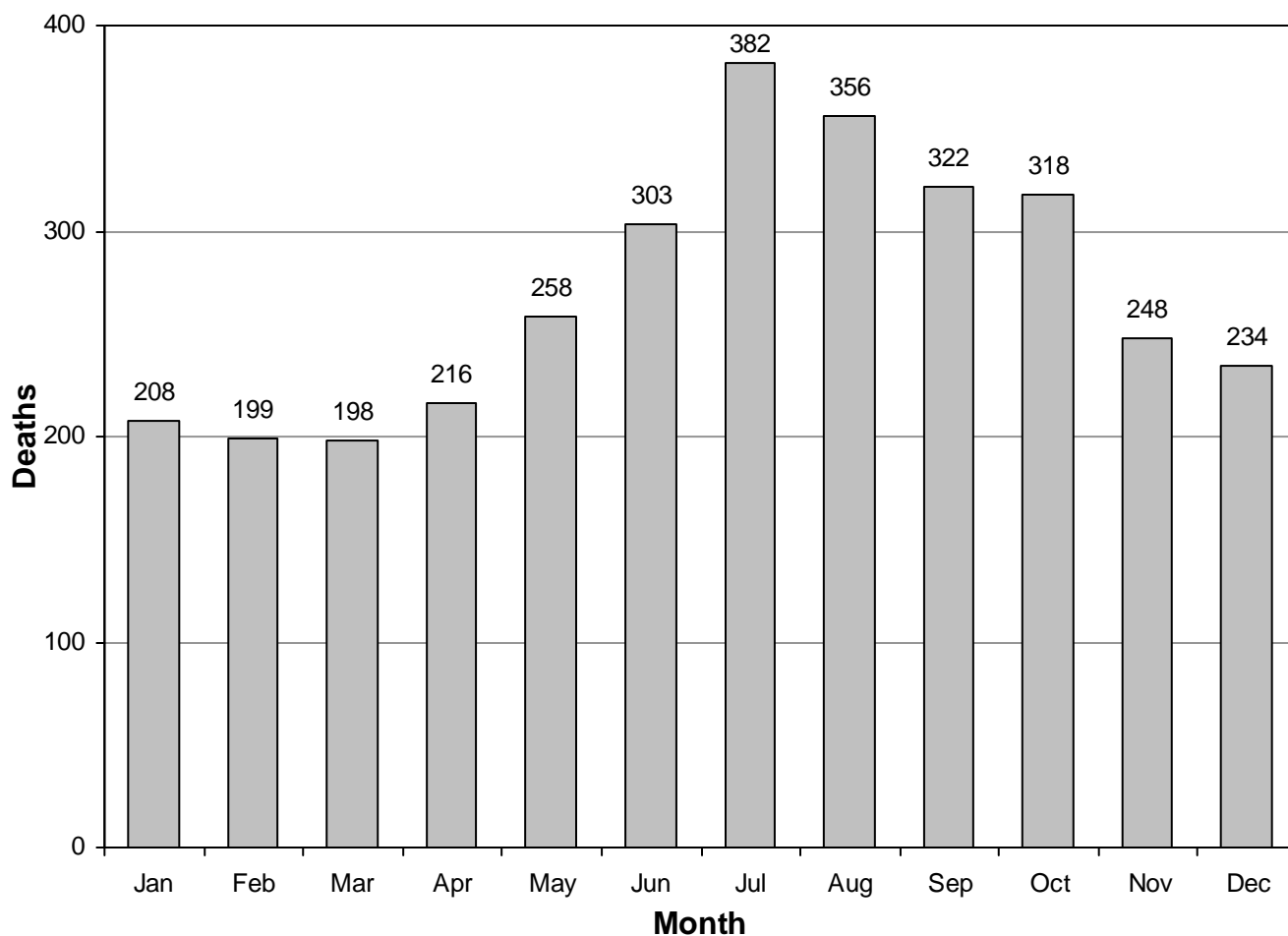
**Fatal Crash Rates Per
100 Million Vehicle Miles Traveled
(Utah 1997-2006)**



- There has been a decreasing trend in fatal crash rates over the last 10 years.
- There has been a 34.4% decrease in the fatal crash rate since 1997.

Trends

Deaths by Month (Utah 1997-2006)

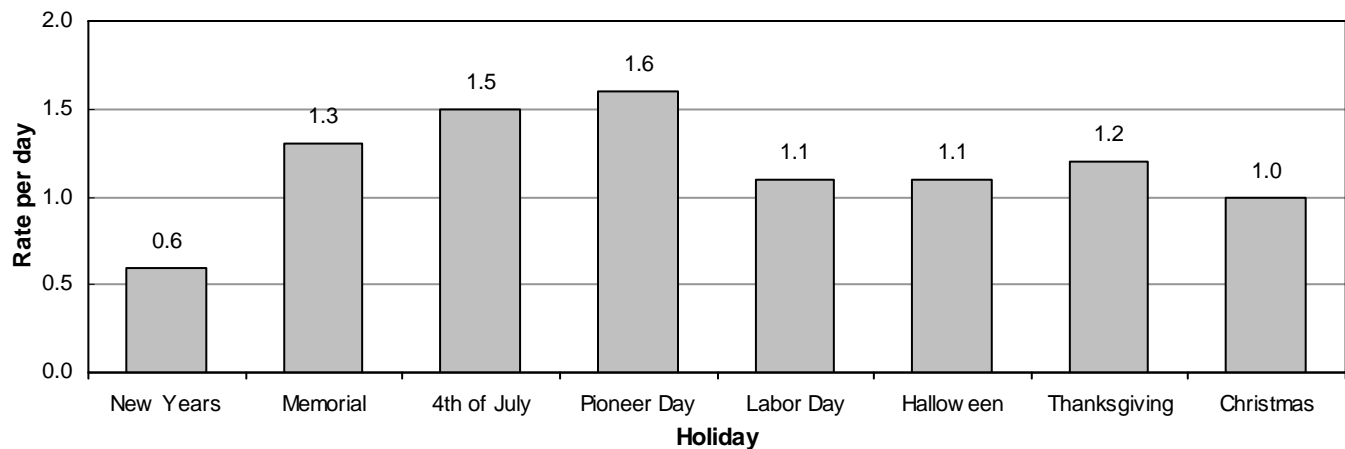


Deaths													
	Month												
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1997	19	34	23	20	31	37	38	37	37	31	26	33	366
1998	27	23	18	24	26	29	44	36	42	34	30	17	350
1999	19	16	25	34	37	35	46	29	32	39	25	23	360
2000	30	23	21	27	29	38	50	36	30	33	23	33	373
2001	22	19	12	14	30	24	40	33	21	29	27	20	291
2002	22	17	18	20	28	19	44	36	36	38	27	23	328
2003	22	15	16	22	20	39	38	39	31	25	17	25	309
2004	9	15	28	20	25	31	28	40	31	26	25	18	296
2005	16	22	14	18	18	25	25	37	31	30	25	21	282
2006	22	15	23	17	14	26	29	33	31	33	23	21	287
Total	208	199	198	216	258	303	382	356	322	318	248	234	3,242

- Nearly one-half (42.5%) of deaths occurred July-October.
- In the last 10 years, July had the highest total number of motor vehicle crash deaths (382) while March (198) and February (199) had the fewest.
- In 2006, August (33) and October (33) had the highest number of deaths while May (14) had the fewest.

Trends

Holiday Death Rate Per Day (Utah 1997-2006)



Deaths																		
	New Years		Memorial Day		4th of July		24th of July		Labor Day		Hallow- een		Thanks- giving		Christ- mas		Total	
		Rate		Rate		Rate		Rate		Rate		Rate		Rate		Rate		Rate
		per		per		per		per		per		per		per		per		per
Year	#	Day	#	Day	#	Day	#	Day	#	Day	#	Day	#	Day	#	Day	#	Day
1997	3	1.0	6	1.5	7	1.8	11	2.2	6	1.5	5	1.3	6	1.2	5	1.0	49	1.4
1998	2	0.4	4	1.0	4	1.3	2	0.5	4	1.0	2	0.7	10	2.0	2	0.5	30	0.9
1999	1	0.3	11	2.8	10	3.3	5	1.7	4	1.0	6	2.0	8	1.6	1	0.3	46	1.6
2000	2	0.7	3	0.8	2	0.7	5	1.3	3	0.8	2	0.7	2	0.4	5	1.3	24	0.8
2001	3	0.8	5	1.3	2	0.7	8	2.7	4	1.0	1	0.3	7	1.4	3	1.0	33	1.1
2002	2	0.7	9	2.3	8	1.6	9	3.0	3	0.8	6	1.2	7	1.4	0	0.0	44	1.4
2003	3	1.0	2	0.5	4	1.0	7	1.4	7	1.8	4	1.0	2	0.4	8	1.6	37	1.1
2004	1	0.2	3	0.8	5	1.7	0	0.0	4	1.0	1	0.3	7	1.4	2	0.7	23	0.8
2005	5	1.7	7	1.8	9	2.3	4	1.3	3	0.8	11	2.8	4	0.8	2	0.7	45	1.5
2006	0	0.0	2	0.5	1	0.3	7	1.8	6	1.5	1	0.3	7	1.4	10	2.5	34	1.1
Total	22	0.6	52	1.3	52	1.5	58	1.6	44	1.1	39	1.1	60	1.2	38	1.0	365	1.2

- Holiday deaths are a concern due to increased motor vehicle travel combined with other possible risk factors (e.g., impaired driving, fatigue, speeding).
- Over the past 10 years, Pioneer Day (1.6) and the 4th of July (1.5) had the highest rates of deaths while New Years Day (0.6) had the lowest rate.
- In 2006, Christmas had the highest death rate (2.5) while New Years Day had the lowest rate (0.0).
- The 2006 holiday death rate per day was 1.1 which was higher than the rate per day for all 2006 days (0.8).

Note: Because of the differing lengths of holidays, the rate per day is provided and should be used for comparisons.

The following criteria was used to determine the number of days included in the holiday period:

- If a holiday occurred on Sunday, Tuesday, Wednesday or Saturday, it was considered a 3-day holiday (the day prior to the holiday, the holiday, and the day after the holiday).
- If a holiday occurred on Monday it was considered a 4-day holiday (the Friday, Saturday, Sunday prior to the holiday, and the Monday holiday).
- If a holiday occurred on Friday it was also considered a 4-day holiday (the Thursday prior to the holiday, the Friday holiday, and the Saturday, Sunday following the holiday).
- If a holiday occurred on Thursday it was considered a 5-day holiday (the Wednesday prior to the holiday, the Thursday holiday, and the Friday, Saturday, Sunday following the holiday).

Counties

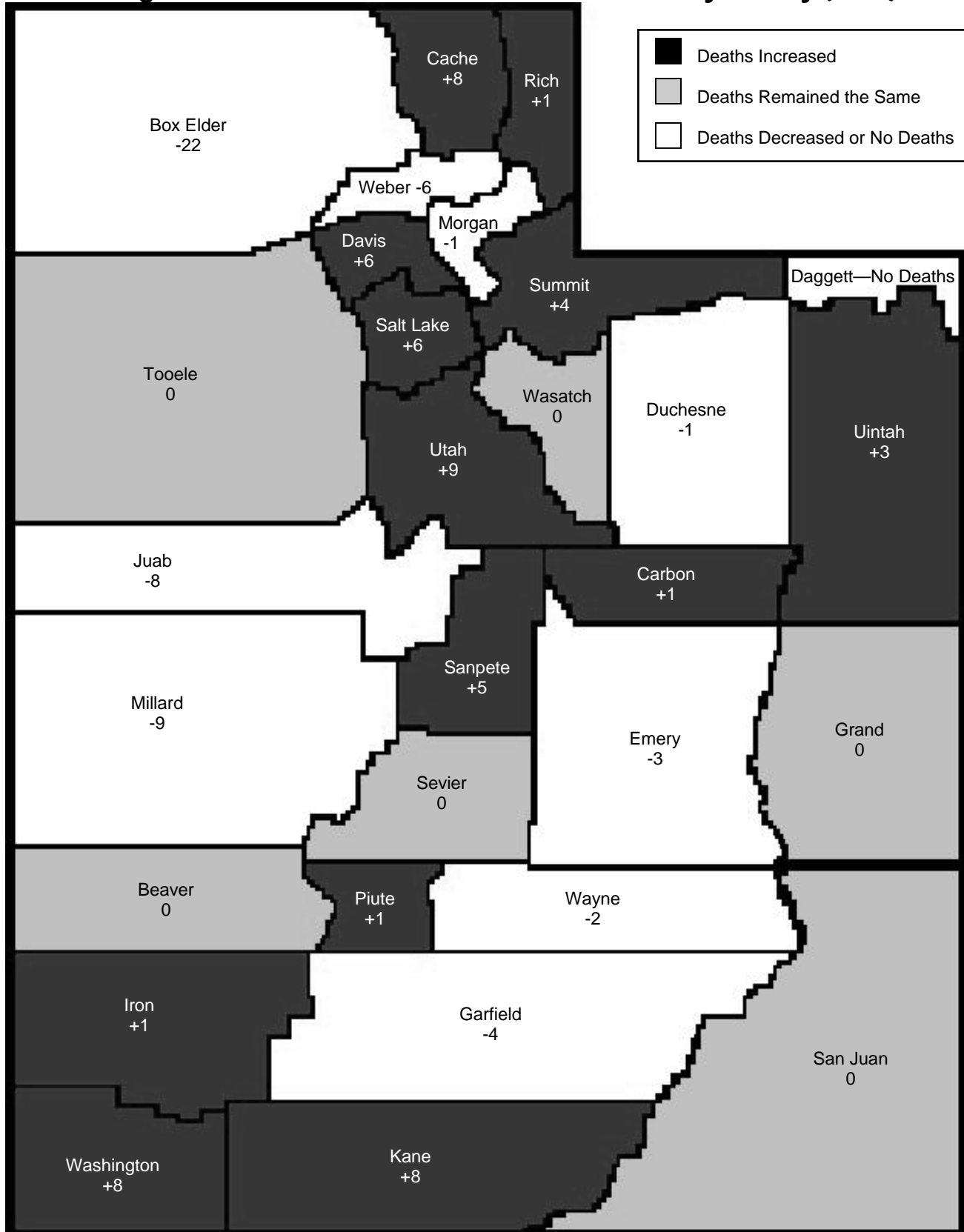
Persons in Crashes by County (Utah 2006)

Persons												
	Non-Injured			Injured			Killed			Total		
		Rate	Rate		Rate	Rate		Rate	Rate		Rate	Rate
		per 100	per		per 100	per		per 100	per		per 100	per
		Million	10,000		Million	10,000		Million	10,000		Million	10,000
County	#	VMT	Pop.	#	VMT	Pop.	#	VMT	Pop.	#	VMT	Pop.
Weber	10,356	664.4	479.7	2,716	174.2	125.8	14	0.90	0.65	13,086	839.5	606.2
Salt Lake	50,994	596.1	511.8	11,359	132.8	114.0	69	0.81	0.69	62,422	729.6	626.5
Davis	12,285	498.3	428.7	2,634	106.8	91.9	14	0.57	0.49	14,933	605.7	521.1
Washington	5,954	469.5	441.4	1,386	109.3	102.7	22	1.73	1.63	7,362	580.5	545.7
Utah	16,920	463.9	355.9	4,067	111.5	85.5	30	0.82	0.63	21,017	576.2	442.1
Cache	4,313	448.3	408.2	801	83.3	75.8	14	1.46	1.32	5,128	533.0	485.3
Wasatch	1,135	382.7	539.1	238	80.2	113.0	7	2.36	3.32	1,380	465.3	655.5
Uintah	1,195	339.1	430.7	294	83.4	106.0	7	1.99	2.52	1,496	424.5	539.2
Duchesne	640	294.4	410.7	159	73.1	102.0	6	2.76	3.85	805	370.3	516.5
Iron	1,826	270.5	420.5	483	71.5	111.2	9	1.33	2.07	2,318	343.3	533.8
Summit	2,006	273.6	544.1	367	50.1	99.5	8	1.09	2.17	2,381	324.8	645.8
Carbon	748	255.1	383.5	171	58.3	87.7	4	1.36	2.05	923	314.8	473.2
Sanpete	584	231.2	226.4	202	80.0	78.3	6	2.37	2.33	792	313.5	307.0
Kane	330	237.1	524.3	74	53.2	117.6	9	6.47	14.30	413	296.7	656.2
Rich	112	205.4	528.1	34	62.3	160.3	2	3.67	9.43	148	271.4	697.8
Piute	42	154.4	305.9	30	110.3	218.5	1	3.68	7.28	73	268.4	531.7
Garfield	228	194.6	477.8	69	58.9	144.6	1	0.85	2.10	298	254.3	624.5
Wayne	62	161.0	244.6	35	90.9	138.1	0	0.00	0.00	97	251.8	382.6
Daggett	72	203.1	758.7	15	42.3	158.1	0	0.00	0.00	87	245.4	916.8
Sevier	720	167.5	360.3	270	62.8	135.1	7	1.63	3.50	997	231.9	498.9
Tooele	1,499	165.1	275.7	470	51.8	86.4	15	1.65	2.76	1,984	218.5	364.9
Juab	678	165.9	727.9	167	40.9	179.3	2	0.49	2.15	847	207.3	909.3
Beaver	392	151.1	609.8	108	41.6	168.0	2	0.77	3.11	502	193.6	781.0
Millard	647	138.8	489.0	207	44.4	156.5	7	1.50	5.29	861	184.7	650.8
Emery	475	134.1	455.1	172	48.6	164.8	5	1.41	4.79	652	184.1	624.6
Box Elder	1,318	138.7	286.6	421	44.3	91.5	10	1.05	2.17	1,749	184.0	380.3
Grand	308	110.5	341.3	153	54.9	169.5	8	2.87	8.87	469	168.3	519.7
Morgan	188	131.7	211.5	49	34.3	55.1	0	0.00	0.00	237	166.1	266.7
San Juan	336	120.3	229.4	106	37.9	72.4	8	2.86	5.46	450	161.1	307.2
Statewide	116,363	444.7	445.0	27,257	104.2	104.2	287	1.10	1.10	143,907	550.0	550.3

- Two different rates are given in the above table. One rate is based on vehicle miles traveled in the county and the other based on the county population.
- Rate per 100 million vehicle miles traveled:
 - Weber (839.5), Salt Lake (729.6), and Davis (605.7) counties had the highest rates of total persons in crashes per 100 million vehicle miles traveled.
 - Kane (6.47), Piute (3.68), and Rich (3.67) counties had the highest rates of persons killed per 100 million vehicle miles traveled.
- Rate per 10,000 population:
 - Daggett (916.8), Juab (909.3), and Beaver (781.0) counties had the highest rates of total persons in crashes per 10,000 population.
 - Kane (14.30), Rich (9.43), and Grand (8.87) counties had the highest rates of persons killed per 10,000 population.

Counties

Change in Number of Deaths From 2005 to 2006 by County (Utah)



Counties

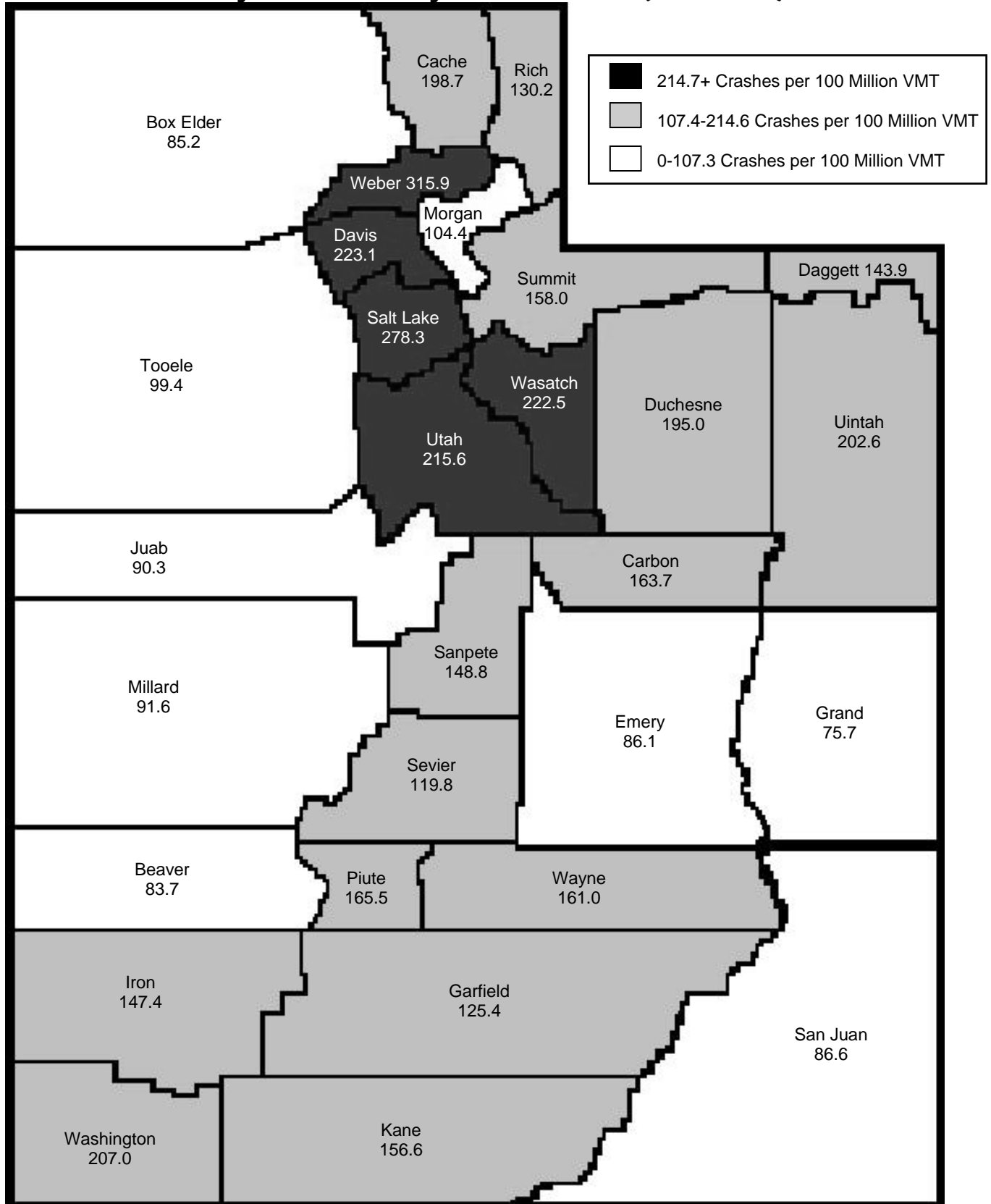
Crashes by County (Utah 2006)

County	Crashes											
	Property Damage Only			Injury			Fatal			Total		
		Rate	Rate		Rate	Rate		Rate	Rate		Rate	Rate
		per 100	per		per 100	per		per 100	per		per 100	per
		Million	10,000		Million	10,000		Million	10,000		Million	10,000
	#	VTM	Pop.	#	VTM	Pop.	#	VTM	Pop.	#	VTM	Pop.
Weber	3,136	201.2	145.3	1,776	113.9	82.3	12	0.8	0.56	4,924	315.9	228.1
Salt Lake	16,011	187.2	160.7	7,737	90.4	77.7	64	0.7	0.64	23,812	278.3	239.0
Davis	3,703	150.2	129.2	1,784	72.4	62.3	13	0.5	0.45	5,500	223.1	191.9
Wasatch	497	167.6	236.1	158	53.3	75.0	5	1.7	2.37	660	222.5	313.5
Utah	5,142	141.0	108.2	2,697	73.9	56.7	26	0.7	0.55	7,865	215.6	165.4
Washington	1,710	134.8	126.8	896	70.7	66.4	19	1.5	1.41	2,625	207.0	194.6
Uintah	501	142.2	180.6	206	58.5	74.2	7	2.0	2.52	714	202.6	257.3
Cache	1,358	141.2	128.5	542	56.3	51.3	12	1.2	1.14	1,912	198.7	180.9
Duchesne	315	144.9	202.1	103	47.4	66.1	6	2.8	3.85	424	195.0	272.1
Piute	28	103.0	203.9	16	58.8	116.5	1	3.7	7.28	45	165.5	327.7
Carbon	361	123.1	185.1	115	39.2	59.0	4	1.4	2.05	480	163.7	246.1
Wayne	37	96.1	146.0	25	64.9	98.6	0	0.0	0.00	62	161.0	244.6
Summit	872	119.0	236.5	278	37.9	75.4	8	1.1	2.17	1,158	158.0	314.1
Kane	172	123.6	273.3	40	28.7	63.6	6	4.3	9.53	218	156.6	346.4
Sanpete	243	96.2	94.2	130	51.5	50.4	3	1.2	1.16	376	148.8	145.7
Iron	672	99.5	154.8	314	46.5	72.3	9	1.3	2.07	995	147.4	229.1
Daggett	38	107.2	400.4	13	36.7	137.0	0	0.0	0.00	51	143.9	537.4
Rich	45	82.5	212.2	25	45.8	117.9	1	1.8	4.71	71	130.2	334.7
Garfield	108	92.2	226.3	38	32.4	79.6	1	0.9	2.10	147	125.4	308.0
Sevier	348	80.9	174.1	161	37.4	80.6	6	1.4	3.00	515	119.8	257.7
Morgan	109	76.4	122.6	40	28.0	45.0	0	0.0	0.00	149	104.4	167.6
Tooele	601	66.2	110.5	289	31.8	53.1	13	1.4	2.39	903	99.4	166.1
Millard	293	62.9	221.5	128	27.5	96.7	6	1.3	4.54	427	91.6	322.8
Juab	266	65.1	285.6	101	24.7	108.4	2	0.5	2.15	369	90.3	396.1
San Juan	178	63.7	121.5	57	20.4	38.9	7	2.5	4.78	242	86.6	165.2
Emery	203	57.3	194.5	97	27.4	92.9	5	1.4	4.79	305	86.1	292.2
Box Elder	538	56.6	117.0	264	27.8	57.4	8	0.8	1.74	810	85.2	176.1
Beaver	152	58.6	236.5	63	24.3	98.0	2	0.8	3.11	217	83.7	337.6
Grand	112	40.2	124.1	96	34.4	106.4	3	1.1	3.32	211	75.7	233.8
Statewide	37,749	144.3	144.3	18,189	69.5	69.6	249	1.0	0.95	56,187	214.7	214.9

- Rate per 100 million vehicle miles traveled:
 - Weber (315.9), Salt Lake (278.3), and Davis (223.1) counties had the highest total crash rates per miles traveled.
 - Kane (4.3), Piute (3.7) and Duchesne (2.8) counties had the highest fatal crash rates per miles traveled.
 - Grand (75.7), Beaver (83.7), and Box Elder (85.2) counties had the lowest total crash rates per miles traveled.
- Rate per 10,000 population:
 - Daggett (537.4), Juab (396.1), and Kane (346.4) counties had the highest total crash rates per population.
 - Kane (9.53), Piute (7.28) and Emery (4.79) counties had the highest fatal crash rates per population.

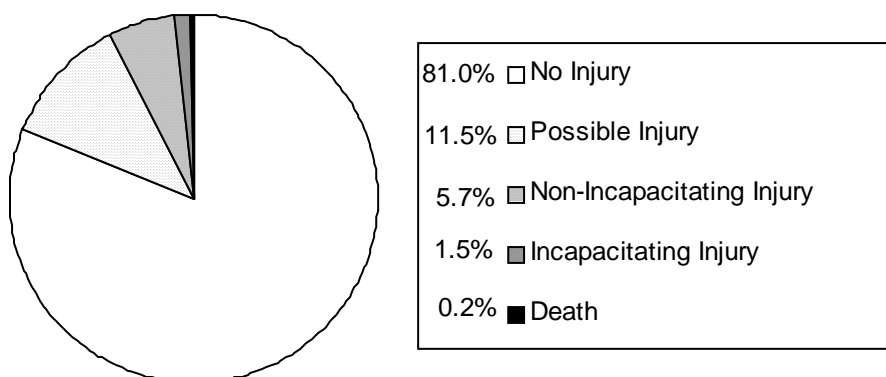
Counties

County Crash Rates by Miles Traveled (Utah 2006)



Characteristics of Persons Involved

Injury Severity (Utah 2006)



- Although many people were injured and killed in motor vehicle crashes, the majority (81.0%) of persons in crashes did not sustain an injury. See Glossary in the Appendix for injury definitions.
- Persons in the same crash sustain different levels of injury. Many factors influence injury patterns including seatbelt use, seating position, and vehicle safety equipment.

Person Placement (Utah 2006)

Persons								
Occupant Placement	Non-Injured		Injured		Killed		Total Persons	
	#	%	#	%	#	%	#	%
Driver	81,803	70.3%	17,947	65.8%	165	57.5%	99,915	69.4%
Passenger	34,426	29.6%	8,101	29.7%	77	26.8%	42,604	29.6%
Pedestrian	55	0.0%	617	2.3%	29	10.1%	701	0.5%
Bicyclist	79	0.1%	592	2.2%	10	3.5%	681	0.5%
Unknown	0	0.0%	0	0.0%	6	2.1%	6	0.0%
Total	116,363	100.0%	27,257	100.0%	287	100.0%	143,907	100.0%

- Pedestrians in a crash had the greatest risk of being killed. In fact, pedestrians were 24 times more likely than other persons involved to die.

Gender of Persons in Crashes (Utah 2006)

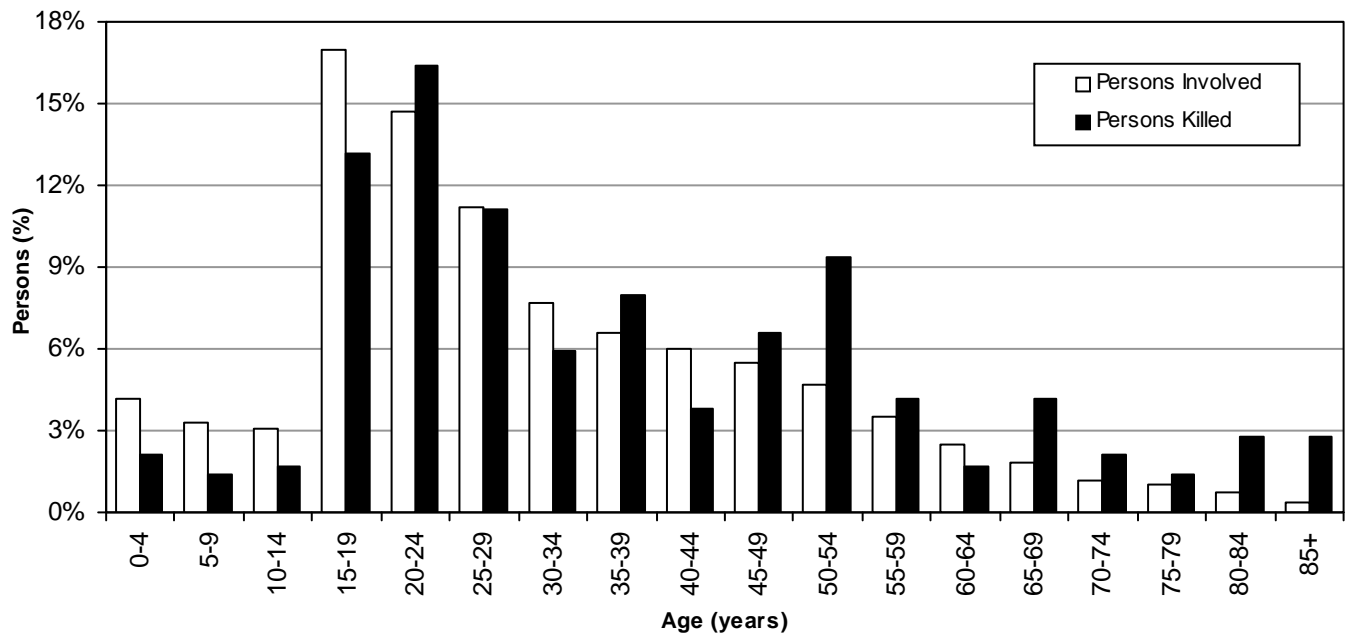
Persons								
Gender	Non-Injured		Injured		Killed		Total	
	#	%	#	%	#	%	#	%
Male	64,720	55.6%	12,854	47.2%	193	67.2%	77,767	54.0%
Female	47,724	41.0%	14,192	52.1%	92	32.1%	62,008	43.1%
Unknown	3,919	3.4%	211	0.8%	2	0.7%	4,132	2.9%
Total	116,363	100.0%	27,257	100.0%	287	100.0%	143,907	100.0%

- Males comprised over half (54.0%) of all persons in crashes and over two-thirds (67.2%) of deaths, while females sustained more injuries (52.1%) than males.
- Males were 1.7 times more likely to die than females in a crash.

Characteristics of Persons Involved

Age of Persons in Crashes (Utah 2006)

Persons								
	Non-Injured		Injured		Killed		Total	
Age	#	%	#	%	#	%	#	%
0-4	5,399	4.6%	661	2.4%	6	2.1%	6,066	4.2%
5-9	3,865	3.3%	831	3.0%	4	1.4%	4,700	3.3%
10-14	3,491	3.0%	990	3.6%	5	1.7%	4,486	3.1%
15-19	19,810	17.0%	4,563	16.7%	38	13.2%	24,411	17.0%
20-24	16,962	14.6%	4,157	15.3%	47	16.4%	21,166	14.7%
25-29	12,926	11.1%	3,103	11.4%	32	11.1%	16,061	11.2%
30-34	9,020	7.8%	2,091	7.7%	17	5.9%	11,128	7.7%
35-39	7,575	6.5%	1,854	6.8%	23	8.0%	9,452	6.6%
40-44	6,875	5.9%	1,691	6.2%	11	3.8%	8,577	6.0%
45-49	6,309	5.4%	1,639	6.0%	19	6.6%	7,967	5.5%
50-54	5,430	4.7%	1,339	4.9%	27	9.4%	6,796	4.7%
55-59	3,990	3.4%	1,062	3.9%	12	4.2%	5,064	3.5%
60-64	2,842	2.4%	791	2.9%	5	1.7%	3,638	2.5%
65-69	2,028	1.7%	498	1.8%	12	4.2%	2,538	1.8%
70-74	1,389	1.2%	387	1.4%	6	2.1%	1,782	1.2%
75-79	1,119	1.0%	310	1.1%	4	1.4%	1,433	1.0%
80-84	737	0.6%	237	0.9%	8	2.8%	982	0.7%
85+	459	0.4%	162	0.6%	8	2.8%	629	0.4%
Unknown	6,137	5.3%	891	3.3%	3	1.0%	7,031	4.9%
Total	116,363	100.0%	27,257	100.0%	287	100.0%	143,907	100.0%



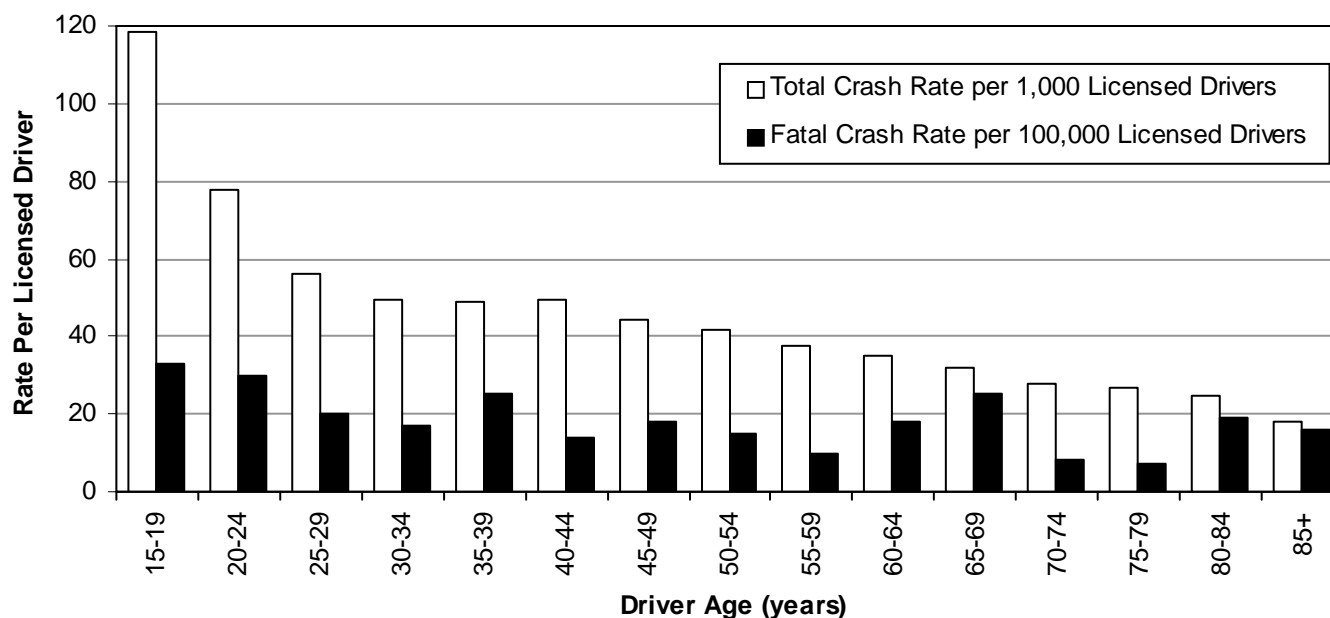
- The largest proportion of persons in crashes were aged 15-19 years (17.0%).
- The largest proportion of persons killed were aged 20-24 years (16.4%).
- While persons aged 65 years and older represented a small proportion of the persons in crashes (5.1%), they were 2.8 times more likely than all other age groups to die.

Driver Characteristics

Driver Age (Utah 2006)

Drivers												
	PDO Crashes			Injury Crashes			Fatal Crashes			Total Drivers		
			Rate per			Rate per			Rate per			Rate per
			1,000			1,000			1,000			1,000
Age	#	%	Drivers	#	%	Drivers	#	%	Drivers	#	%	Drivers
<15	86	0.1%	n/a	86	0.3%	n/a	1	0.3%	n/a	173	0.2%	n/a
15-19	10,470	15.9%	77.6	5,451	16.1%	40.4	45	12.3%	0.33	15,966	16.0%	118.3
20-24	10,905	16.6%	51.3	5,587	16.5%	26.3	64	17.5%	0.30	16,556	16.6%	77.9
25-29	8,700	13.2%	37.1	4,446	13.2%	18.9	46	12.6%	0.20	13,192	13.2%	56.2
30-34	6,279	9.6%	32.7	3,158	9.3%	16.5	32	8.8%	0.17	9,469	9.5%	49.3
35-39	5,252	8.0%	32.0	2,743	8.1%	16.7	41	11.2%	0.25	8,036	8.0%	49.0
40-44	4,844	7.4%	32.6	2,512	7.4%	16.9	21	5.8%	0.14	7,377	7.4%	49.6
45-49	4,289	6.5%	28.2	2,421	7.2%	15.9	28	7.7%	0.18	6,738	6.7%	44.3
50-54	3,837	5.8%	27.6	1,905	5.6%	13.7	21	5.8%	0.15	5,763	5.8%	41.5
55-59	2,839	4.3%	24.6	1,458	4.3%	12.6	12	3.3%	0.10	4,309	4.3%	37.4
60-64	1,922	2.9%	22.4	1,083	3.2%	12.6	15	4.1%	0.18	3,020	3.0%	35.2
65-69	1,345	2.0%	21.0	690	2.0%	10.8	16	4.4%	0.25	2,051	2.1%	32.0
70-74	882	1.3%	17.2	534	1.6%	10.4	4	1.1%	0.08	1,420	1.4%	27.7
75-79	721	1.1%	17.1	404	1.2%	9.6	3	0.8%	0.07	1,128	1.1%	26.8
80-84	467	0.7%	15.1	287	0.8%	9.3	6	1.6%	0.19	760	0.8%	24.5
85+	259	0.4%	10.3	193	0.6%	7.7	4	1.1%	0.16	456	0.5%	18.1
Unknown	2,646	4.0%	n/a	835	2.5%	n/a	6	1.6%	n/a	3,487	3.5%	n/a
Total	65,743	100.0%	36.7	33,793	100.0%	18.9	365	100.0%	0.20	99,901	100.0%	55.7

Rate of Licensed Drivers in Crashes by Age (Utah 2006)



- Drivers aged 15-19 years had the highest rates per licensed driver of total crashes, fatal crashes, injury crashes, and property damage only crashes.
- Drivers aged 85+ years had the lowest rate per licensed driver of total crashes (18.1).
- Drivers aged 75-79 years had the lowest rate per licensed driver of fatal crashes (0.07).

Driver Characteristics

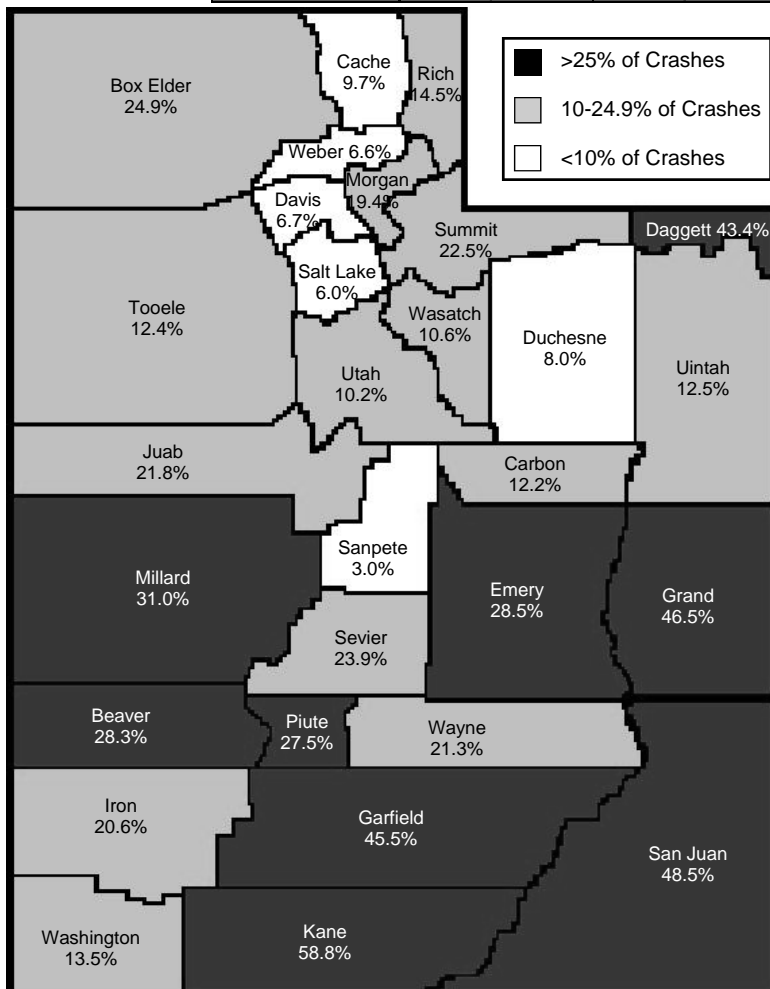
Driver Gender (Utah 2006)

Drivers								
	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
Gender	#	%	#	%	#	%	#	%
Female	25,171	38.3%	14,601	43.2%	85	23.3%	39,857	39.9%
Male	38,297	58.3%	18,545	54.9%	277	75.9%	57,119	57.2%
Unknown	2,275	3.5%	647	1.9%	3	0.8%	2,925	2.9%
Total	65,743	100.0%	33,793	100.0%	365	100.0%	99,901	100.0%

- Males represented 57.2% of all drivers in a crash and 75.9% of drivers in fatal crashes.

Out-of-State Drivers (Utah 2006)

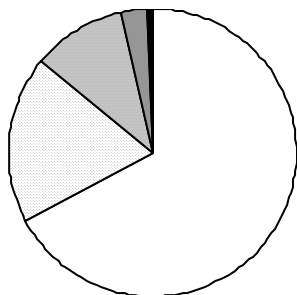
Drivers								
	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
License State	#	%	#	%	#	%	#	%
Out-Of-State	5,511	8.4%	2,750	8.1%	55	15.1%	8,316	8.3%
Utah	54,327	82.6%	27,988	82.8%	303	83.0%	82,618	82.7%
Unknown	5,905	9.0%	3,055	9.0%	7	1.9%	8,967	9.0%
Total	65,743	100.0%	33,793	100.0%	365	100.0%	99,901	100.0%



- Although out-of-state licensed drivers represented 8.3% of all drivers in crashes, they represented 15.1% of drivers in fatal crashes.
- There were several counties that had a disproportionate amount of out-of-state drivers in crashes. Most notably in Kane (58.8%), San Juan (48.5%), Grand (46.5%), Garfield (45.5%), and Daggett (43.4%) where nearly half of the drivers in crashes were out-of-state drivers. These drivers may place an extra burden on the residents and medical services in these counties.

Crash Characteristics

Crash Severity (Utah 2006)



67.2%	□ No Injury
18.5%	□ Possible Injury
10.8%	▒ Non-Incapacitating Injury
3.1%	■ Incapacitating Injury
0.4%	■ Death

- For crashes that occurred in Utah during 2006, 67.2% resulted in property damage only, 32.4% resulted in some level of injury, and 0.4% involved a death.

Month of Year (Utah 2006)

Crashes									
	Days in	Property Damage Only		Injury		Fatal		Total	
	Month		Rate		Rate		Rate		Rate
Month	#	#	per Day	#	per Day	#	per Day	#	per Day
January	31	3,499	112.9	1,513	48.8	19	0.61	5,031	162.3
February	28	3,419	122.1	1,383	49.4	15	0.54	4,817	172.0
March	31	3,139	101.3	1,433	46.2	21	0.68	4,593	148.2
April	30	2,752	91.7	1,480	49.3	14	0.47	4,246	141.5
May	31	2,857	92.2	1,600	51.6	14	0.45	4,471	144.2
June	30	2,828	94.3	1,542	51.4	24	0.80	4,394	146.5
July	31	2,674	86.3	1,432	46.2	25	0.81	4,131	133.3
August	31	2,865	92.4	1,701	54.9	25	0.81	4,591	148.1
September	30	2,993	99.8	1,611	53.7	28	0.93	4,632	154.4
October	31	3,185	102.7	1,569	50.6	28	0.90	4,782	154.3
November	30	3,497	116.6	1,447	48.2	20	0.67	4,964	165.5
December	31	4,041	130.4	1,478	47.7	16	0.52	5,535	178.5
Total	365	37,749	103.4	18,189	49.8	249	0.68	56,187	153.9

- Fatal crashes had higher rates per day from June-October, while total crash rates per day were higher from November-February.

Day of Week (Utah 2006)

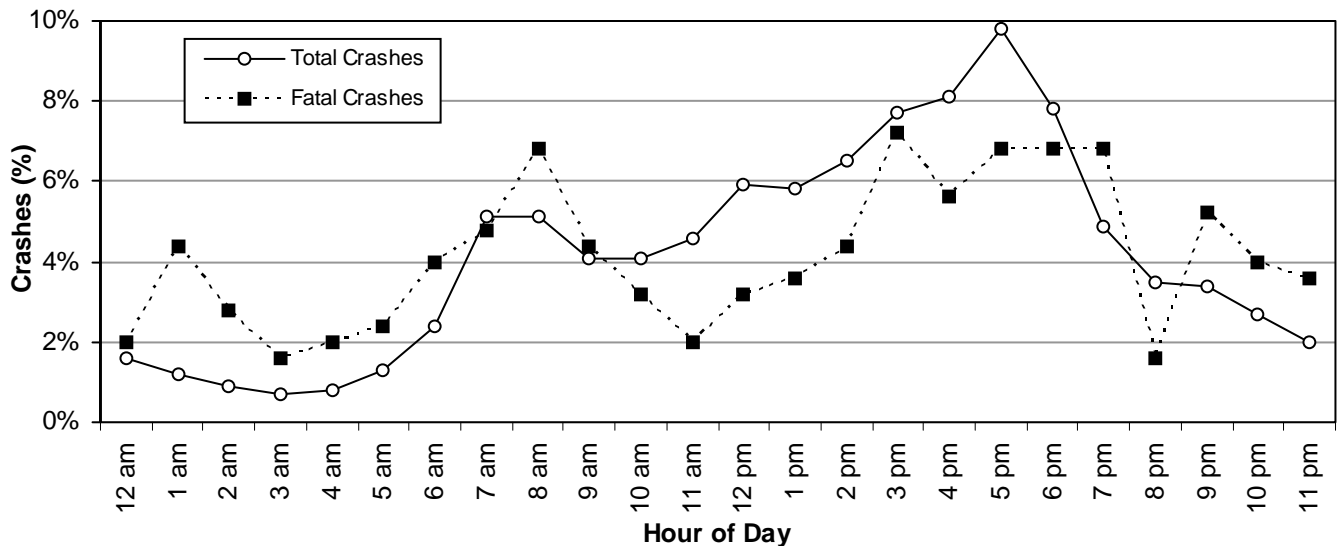
Crashes								
	PDO Crashes		Injury Crashes		Fatal Crashes		Total Crashes	
Day of Week	#	%	#	%	#	%	#	%
Sunday	3,198	8.5%	1,640	9.0%	31	12.4%	4,869	8.7%
Monday	5,460	14.5%	2,579	14.2%	36	14.5%	8,075	14.4%
Tuesday	5,395	14.3%	2,616	14.4%	32	12.9%	8,043	14.3%
Wednesday	6,324	16.8%	2,881	15.8%	29	11.6%	9,234	16.4%
Thursday	5,897	15.6%	2,692	14.8%	35	14.1%	8,624	15.3%
Friday	6,624	17.5%	3,198	17.6%	28	11.2%	9,850	17.5%
Saturday	4,851	12.9%	2,583	14.2%	58	23.3%	7,492	13.3%
Total	37,749	100.0%	18,189	100.0%	249	100.0%	56,187	100.0%

- The highest percentage of total crashes occurred on Friday (17.5%) .
- The highest percentage of fatal crashes occurred on Saturday (23.3%).

Crash Characteristics

Hour of Day (Utah 2006)

Hour	Crashes							
	PDO Crashes		Injury Crashes		Fatal Crashes		Total Crashes	
	#	%	#	%	#	%	#	%
Midnight	583	1.5%	314	1.7%	5	2.0%	902	1.6%
1 a.m.	402	1.1%	240	1.3%	11	4.4%	653	1.2%
2 a.m.	335	0.9%	183	1.0%	7	2.8%	525	0.9%
3 a.m.	259	0.7%	122	0.7%	4	1.6%	385	0.7%
4 a.m.	276	0.7%	143	0.8%	5	2.0%	424	0.8%
5 a.m.	498	1.3%	234	1.3%	6	2.4%	738	1.3%
6 a.m.	946	2.5%	416	2.3%	10	4.0%	1,372	2.4%
7 a.m.	2,055	5.4%	824	4.5%	12	4.8%	2,891	5.1%
8 a.m.	2,050	5.4%	790	4.3%	17	6.8%	2,857	5.1%
9 a.m.	1,600	4.2%	677	3.7%	11	4.4%	2,288	4.1%
10 a.m.	1,548	4.1%	767	4.2%	8	3.2%	2,323	4.1%
11 a.m.	1,732	4.6%	850	4.7%	5	2.0%	2,587	4.6%
Noon	2,253	6.0%	1,060	5.8%	8	3.2%	3,321	5.9%
1 p.m.	2,158	5.7%	1,077	5.9%	9	3.6%	3,244	5.8%
2 p.m.	2,422	6.4%	1,245	6.8%	11	4.4%	3,678	6.5%
3 p.m.	2,848	7.5%	1,477	8.1%	18	7.2%	4,343	7.7%
4 p.m.	2,994	7.9%	1,523	8.4%	14	5.6%	4,531	8.1%
5 p.m.	3,645	9.7%	1,818	10.0%	17	6.8%	5,480	9.8%
6 p.m.	2,986	7.9%	1,359	7.5%	17	6.8%	4,362	7.8%
7 p.m.	1,771	4.7%	947	5.2%	17	6.8%	2,735	4.9%
8 p.m.	1,270	3.4%	691	3.8%	4	1.6%	1,965	3.5%
9 p.m.	1,296	3.4%	619	3.4%	13	5.2%	1,928	3.4%
10 p.m.	1,053	2.8%	472	2.6%	10	4.0%	1,535	2.7%
11 p.m.	769	2.0%	341	1.9%	9	3.6%	1,119	2.0%
Unknown	0	0.0%	0	0.0%	1	0.4%	1	0.0%
Total	37,749	100.0%	18,189	100.0%	249	100.0%	56,187	100.0%



- In 2006, total crashes were more likely to occur between 2:00 p.m. and 6:00 p.m., with a peak at 5:00 p.m. (evening rush hour). Fatal crashes were highest during the hours of 8:00 a.m. and 3:00-7:00 p.m.

Crash Characteristics

Urban/Rural Location (Utah 2006)

Crashes								
Location	PDO Crashes		Injury Crashes		Fatal Crashes		Total Crashes	
	#	Rate per	#	Rate per	#	Rate per	#	Rate per
		100 Million		100 Million		100 Million		100 Million
		VMT		VMT		VMT		VMT
Urban	27,992	172.5	13,994	86.2	115	0.71	42,101	259.5
Rural	9,757	98.2	4,195	42.2	134	1.35	14,086	141.7
Total	37,749	144.3	18,189	69.5	249	0.95	56,187	214.7

- While urban areas had a higher rate of total crashes per vehicle mile traveled, rural areas had a higher rate of fatal crashes per vehicle mile traveled. In fact, crashes occurring in rural areas were 3.5 times more likely to result in a death than crashes in urban areas.

Road Surface Condition (Utah 2006)

Crashes								
Road Surface Condition	PDO Crashes		Injury Crashes		Fatal Crashes		Total Crashes	
	#	%	#	%	#	%	#	%
Dry	28,101	74.4%	14,419	79.3%	208	83.5%	42,728	76.0%
Wet	3,916	10.4%	1,916	10.5%	22	8.8%	5,854	10.4%
Snow/Slush	2,825	7.5%	745	4.1%	11	4.4%	3,581	6.4%
Ice	1,514	4.0%	497	2.7%	6	2.4%	2,017	3.6%
Other	254	0.7%	225	1.2%	1	0.4%	480	0.9%
Unknown	1,139	3.0%	387	2.1%	1	0.4%	1,527	2.7%
Total	37,749	100.0%	18,189	100.0%	249	100.0%	56,187	100.0%

- Most (76.0%) crashes occur when roads are dry.

Light Condition (Utah 2006)

Crashes								
Light Condition	PDO Crashes		Injury Crashes		Fatal Crashes		Total Crashes	
	#	%	#	%	#	%	#	%
Daylight	25,162	66.7%	12,522	68.8%	139	55.8%	37,823	67.3%
Dark	9,615	25.5%	4,378	24.1%	92	36.9%	14,085	25.1%
Dawn/Dusk	1,976	5.2%	948	5.2%	17	6.8%	2,941	5.2%
Unknown	996	2.6%	341	1.9%	1	0.4%	1,338	2.4%
Total	37,749	100.0%	18,189	100.0%	249	100.0%	56,187	100.0%

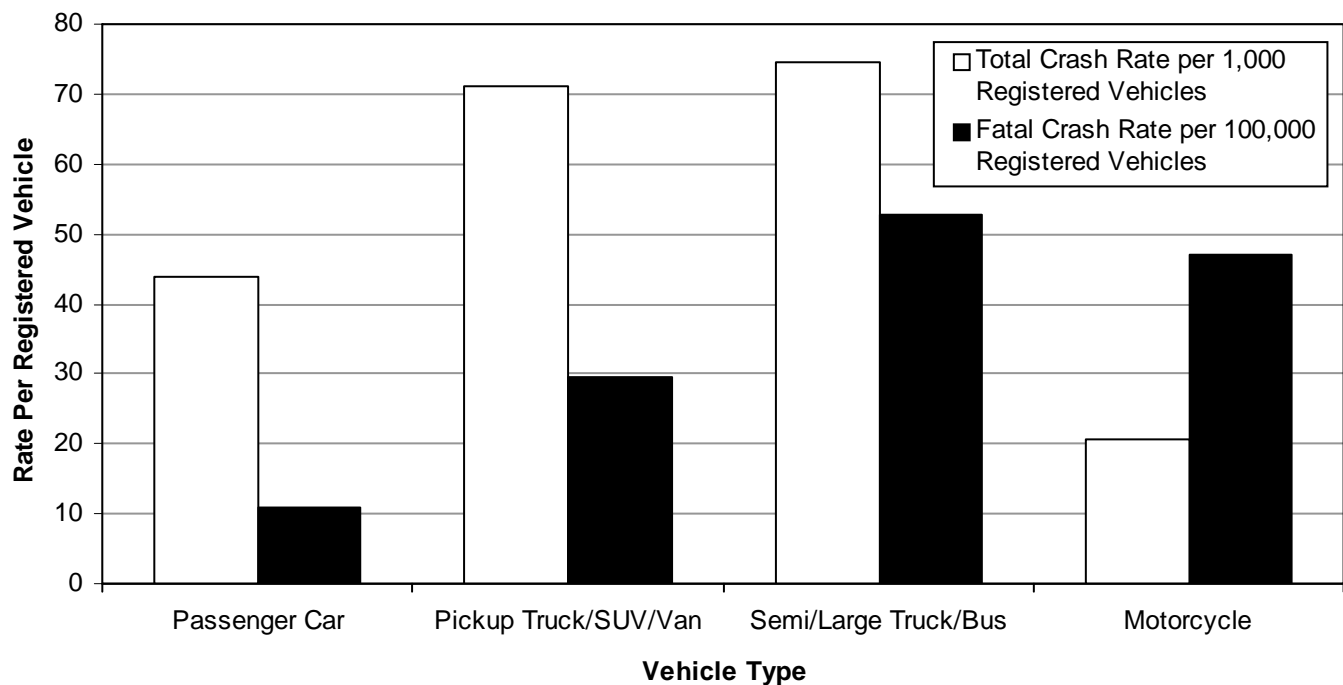
- The majority (67.3%) of crashes occur during daylight.
- Over one-third (36.9%) of fatal crashes occur during dark conditions.

Crash Characteristics

Vehicle Type (Utah 2006)

Vehicles								
Vehicle Type	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
	#	%	#	%	#	%	#	%
Passenger Car	35,712	52.1%	18,804	54.6%	136	37.3%	54,652	52.9%
Pickup Truck	12,767	18.6%	5,503	16.0%	87	23.8%	18,357	17.8%
SUV	11,087	16.2%	5,503	16.0%	60	16.4%	16,650	16.1%
Van	3,422	5.0%	1,744	5.1%	20	5.5%	5,186	5.0%
Semi/Large Truck	3,149	4.6%	1,013	2.9%	32	8.8%	4,194	4.1%
Motorcycle	136	0.2%	855	2.5%	23	6.3%	1,014	1.0%
Bus	230	0.3%	105	0.3%	0	0.0%	335	0.3%
Other	384	0.6%	253	0.7%	1	0.3%	638	0.6%
Unknown	1,628	2.4%	649	1.9%	6	1.6%	2,283	2.2%
Total	68,515	100.0%	34,429	100.0%	365	100.0%	103,309	100.0%

Crash Rates by Vehicle Type (Utah 2006)



- When comparing vehicle types it is important to keep in mind that different vehicle types may have different usage patterns and thus different exposure. For example, semi/large truck may travel more miles per vehicle.
- Passenger car represented 64.8% of registered vehicles in Utah, pickup truck/SUV/van 29.4%, semi/large truck/bus 3.2%, and motorcycle 2.6%.
- For total crashes, passenger car (52.9%) and pickup truck (17.8%) were the leading vehicle types.
- Semi/large truck/bus (74.5) and pickup truck/SUV/van (71.2) had the highest total crash rates per registered vehicle.
- For fatal crashes, passenger car (37.3%) and pickup truck (23.8%) were the leading vehicle types.
- Semi/large truck/bus (52.7) and motorcycle (47.0) had the highest fatal crash rates per registered vehicle.
- While motorcycles represented 1.0% of vehicles in total crashes, they represented 6.3% of vehicles in fatal crashes. In fact, crashes involving a motorcycle were 6.9 times more likely to be fatal than crashes involving other vehicles.

Crash Characteristics

Vehicle Maneuver Prior to Crash (Utah 2006)

Vehicles								
Vehicle Maneuver	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
	#	%	#	%	#	%	#	%
Straight Ahead	34621	50.5%	18984	55.1%	308	84.4%	53,913	52.2%
Stopped in Traffic Lane	6957	10.2%	4608	13.4%	10	2.7%	11,575	11.2%
Turning Left	5961	8.7%	3771	11.0%	20	5.5%	9,752	9.4%
Slowing in Traffic Lane	5178	7.6%	2461	7.1%	5	1.4%	7,644	7.4%
Turning Right	3083	4.5%	1058	3.1%	1	0.3%	4,142	4.0%
Parked	3100	4.5%	700	2.0%	0	0.0%	3,800	3.7%
Changing Lanes	2716	4.0%	738	2.1%	9	2.5%	3,463	3.4%
Overtaking/Passing	1339	2.0%	666	1.9%	5	1.4%	2,010	1.9%
Backing	1585	2.3%	122	0.4%	1	0.3%	1,708	1.7%
Making U-turn	736	1.1%	286	0.8%	2	0.5%	1,024	1.0%
Entering Traffic Lane	678	1.0%	234	0.7%	0	0.0%	912	0.9%
Leaving Traffic Lane	216	0.3%	102	0.3%	0	0.0%	318	0.3%
Parking Maneuvers	118	0.2%	19	0.1%	0	0.0%	137	0.1%
Immobile From Previous Crash	28	0.0%	11	0.0%	0	0.0%	39	0.0%
Other	497	0.7%	188	0.5%	4	1.1%	689	0.7%
Unknown	1702	2.5%	481	1.4%	0	0.0%	2,183	2.1%
Total	68,515	100.0%	34,429	100.0%	365	100.0%	103,309	100.0%

- For total crashes, straight ahead (52.2%), stopped in traffic lane (11.2%), and turning left (9.4%) were the leading vehicle maneuvers prior to the crash.
- For fatal crashes, straight ahead (84.4%), turning left (5.5%), and stopped in traffic lane (2.7%) were the leading vehicle maneuvers prior to the crash.

Speed Limit (Utah 2006)

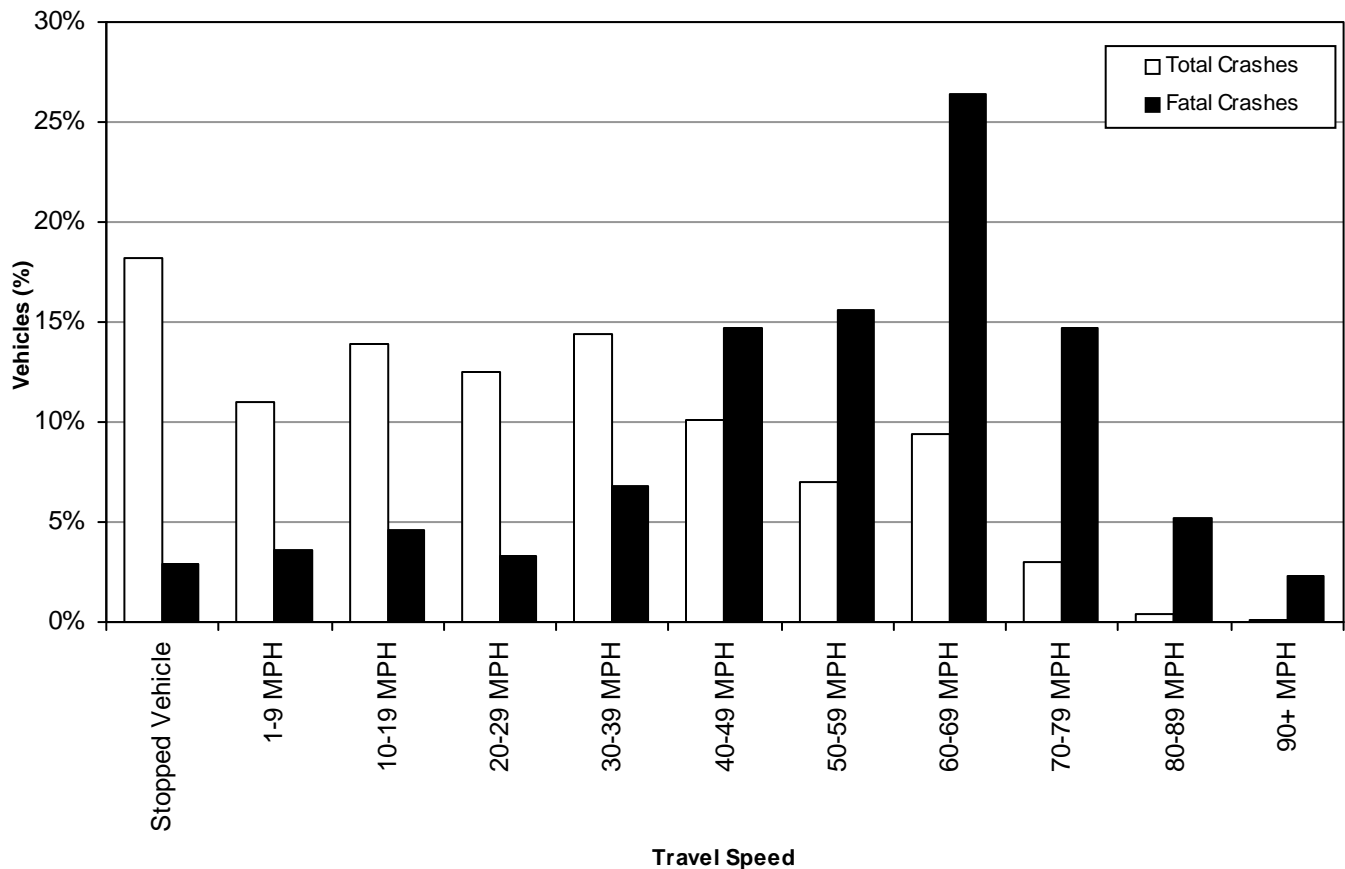
Vehicles								
Speed Limit	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
	#	%	#	%	#	%	#	%
5-15 MPH	437	0.6%	109	0.3%	2	0.5%	548	0.5%
20-25 MPH	9,109	13.3%	3,260	9.5%	16	4.4%	12,385	12.0%
30-35 MPH	13,912	20.3%	8,325	24.2%	47	12.9%	22,284	21.6%
40-45 MPH	13,932	20.3%	8,974	26.1%	54	14.8%	22,960	22.2%
50-55 MPH	4,695	6.9%	2,846	8.3%	74	20.3%	7,615	7.4%
60-65 MPH	12,397	18.1%	4,399	12.8%	120	32.9%	16,916	16.4%
70-75 MPH	1,933	2.8%	936	2.7%	47	12.9%	2,916	2.8%
Unknown	12,100	17.7%	5,580	16.2%	5	1.4%	17,685	17.1%
Total	68,515	100.0%	34,429	100.0%	365	100.0%	103,309	100.0%

- The speed limit was 30-45 MPH for over half (52.8% where speed limit was known) of the total vehicles in crashes.
- Fatal crashes were more likely to occur with higher speed limits. The speed limit was 50 MPH or higher for two-thirds (66.9% where speed limit was known) of the vehicles in fatal crashes.
- Crashes where the speed limit was 50 MPH or higher were 5.4 times more likely to be fatal.

Crash Characteristics

Travel Speed (Utah 2006)

Travel Speed	Vehicles							
	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
	#	%	#	%	#	%	#	%
Stopped Vehicle	9,530	13.9%	4,836	14.0%	9	2.5%	14,375	13.9%
1-9 MPH	6,260	9.1%	2,435	7.1%	11	3.0%	8,706	8.4%
10-19 MPH	7,679	11.2%	3,280	9.5%	14	3.8%	10,973	10.6%
20-29 MPH	6,723	9.8%	3,180	9.2%	10	2.7%	9,913	9.6%
30-39 MPH	7,120	10.4%	4,251	12.3%	21	5.8%	11,392	11.0%
40-49 MPH	4,848	7.1%	3,105	9.0%	45	12.3%	7,998	7.7%
50-59 MPH	3,670	5.4%	1,794	5.2%	48	13.2%	5,512	5.3%
60-69 MPH	5,337	7.8%	2,018	5.9%	81	22.2%	7,436	7.2%
70-79 MPH	1,549	2.3%	798	2.3%	45	12.3%	2,392	2.3%
80-89 MPH	144	0.2%	161	0.5%	16	4.4%	321	0.3%
90+ MPH	27	0.0%	73	0.2%	7	1.9%	107	0.1%
Unknown	15,628	22.8%	8,498	24.7%	58	15.9%	24,184	23.4%
Total	68,515	100.0%	34,429	100.0%	365	100.0%	103,309	100.0%



- Over half (50.9% where travel speed was known) of vehicles in total crashes were traveling 10-49 MPH.
- Vehicles in fatal crashes were more likely to be traveling at higher speeds. Nearly two-thirds (64.2% where travel speed was known) of vehicles in fatal crashes were traveling 50 MPH or higher.
- Crashes involving vehicles traveling 50 MPH or higher were 7.3 times more likely to be fatal.

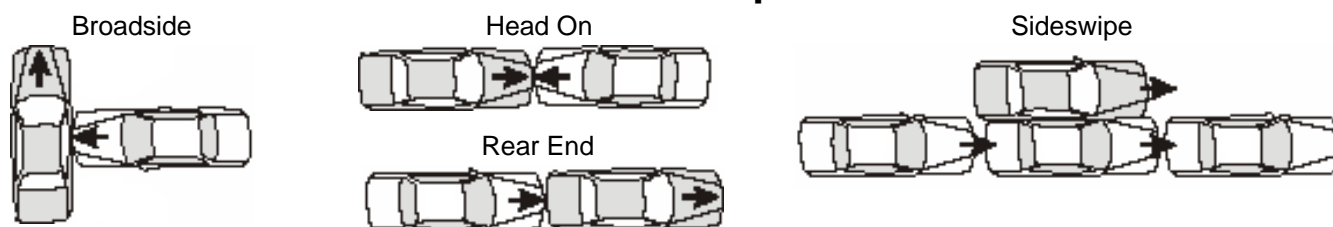
Crash Characteristics

First Harmful Event (Utah 2006)

First Harmful Event	Crashes							
	PDO Crashes		Injury Crashes		Fatal Crashes		Total Crashes	
	#	%	#	%	#	%	#	%
Collision with Another Motor Vehicle	22,230	58.9%	11,126	61.2%	95	38.2%	33,451	59.5%
Collision with Animal	1,968	5.2%	176	1.0%	2	0.8%	2,146	3.8%
Overturn/Rollover	653	1.7%	1,081	5.9%	66	26.5%	1,800	3.2%
Collision with Other Fixed Object	1,046	2.8%	438	2.4%	1	0.4%	1,485	2.6%
Collision with Concrete/Cable Barrier	944	2.5%	370	2.0%	11	4.4%	1,325	2.4%
Collision with Post, Pole, or Support	904	2.4%	343	1.9%	6	2.4%	1,253	2.2%
Collision with Other Non-Fixed Object	826	2.2%	266	1.5%	0	0.0%	1,092	1.9%
Collision with Parked Vehicle	802	2.1%	173	1.0%	0	0.0%	975	1.7%
Collision with Fence	434	1.1%	132	0.7%	3	1.2%	569	1.0%
Collision with Embankment	287	0.8%	223	1.2%	2	0.8%	512	0.9%
Collision with Pedestrian	35	0.1%	433	2.4%	29	11.6%	497	0.9%
Collision with Bicyclist	50	0.1%	378	2.1%	10	4.0%	438	0.8%
Other Non-Collision	278	0.7%	147	0.8%	1	0.4%	426	0.8%
Collision with Tree/Shrubbery	211	0.6%	167	0.9%	7	2.8%	385	0.7%
Collision with Ditch	215	0.6%	143	0.8%	1	0.4%	359	0.6%
Collision with Guardrail	210	0.6%	88	0.5%	4	1.6%	302	0.5%
Collision with Mailbox/Fire Hydrant	159	0.4%	50	0.3%	0	0.0%	209	0.4%
Cargo/Equipment Loss or Shift	151	0.4%	27	0.1%	0	0.0%	178	0.3%
Fire/Explosion	156	0.4%	7	0.0%	0	0.0%	163	0.3%
Collision with Thrown or Fallen Object	138	0.4%	12	0.1%	1	0.4%	151	0.3%
Fell/Jumped from Vehicle	16	0.0%	80	0.4%	8	3.2%	104	0.2%
Jackknife	80	0.2%	20	0.1%	0	0.0%	100	0.2%
Collision with Crash Cushion	29	0.1%	38	0.2%	1	0.4%	68	0.1%
Collision with Work Zone/Equipment	47	0.1%	12	0.1%	0	0.0%	59	0.1%
Collision with Culvert	37	0.1%	21	0.1%	0	0.0%	58	0.1%
Collision with Bridge	34	0.1%	18	0.1%	1	0.4%	53	0.1%
Immersion	26	0.1%	10	0.1%	0	0.0%	36	0.1%
Collision with Train	18	0.0%	16	0.1%	0	0.0%	34	0.1%
Unknown	5,765	15.3%	2,194	12.1%	0	0.0%	7,959	14.2%
Total	37,749	100.0%	18,189	100.0%	249	100.0%	56,187	100.0%

- For all crashes, the leading first harmful event was collision with another motor vehicle.
- For total crashes, collision with animal (4.4% of known) and overturn/rollover (3.7% of known) were the next highest first harmful events. See page 34 for more information on collisions with animals.
- For fatal crashes, overturn/rollover (26.5%) and collision with pedestrian (11.6%) were the next highest first harmful events.
- Overturn/rollover was 11 times more likely to result in a death than other first harmful events.

Collision Examples



Crash Characteristics

Collision Description (Utah 2006)

Crashes (Two or More Motor Vehicles)								
Collision Description	PDO Crashes		Injury Crashes		Fatal Crashes		Total Crashes	
	#	%	#	%	#	%	#	%
Rear End	10,216	38.0%	4,879	38.1%	11	11.6%	15,106	38.0%
Broadside	7,231	26.9%	4,618	36.1%	40	42.1%	11,889	29.9%
Sideswipe	4,591	17.1%	1,071	8.4%	12	12.6%	5,674	14.3%
Head On	2,133	7.9%	1,714	13.4%	32	33.7%	3,879	9.7%
Parked Vehicle	2,406	8.9%	467	3.6%	0	0.0%	2,873	7.2%
Backing Vehicle	320	1.2%	57	0.4%	0	0.0%	377	0.9%
Total	26,897	100.0%	12,806	100.0%	95	100.0%	39,798	100.0%

- For all crashes, the leading collision types involving two or more motor vehicles were rear end (37.7%) and broadside (29.9%).
- For fatal crashes, the leading collision types were broadside (42.1%) and head on (33.7%).
- Head on collisions were 4.7 times more likely to result in a death than other collisions involving two or more motor vehicles.

Number of Vehicles Involved (Utah 2006)

Crashes								
Vehicles Involved	PDO Crashes		Injury Crashes		Fatal Crashes		Total Crashes	
	#	%	#	%	#	%	#	%
1	9,935	26.3%	5,104	28.1%	151	60.6%	15,190	27.0%
2	25,284	67.0%	10,611	58.3%	82	32.9%	35,977	64.0%
3	2,182	5.8%	1,940	10.7%	14	5.6%	4,136	7.4%
4	301	0.8%	430	2.4%	2	0.8%	733	1.3%
5 or more	47	0.1%	104	0.6%	0	0.0%	151	0.3%
Total	37,749	100.0%	18,189	100.0%	249	100.0%	56,187	100.0%

- While the majority (64.0%) of all crashes involved two motor vehicles, 60.6% of fatal crashes involved only one motor vehicle.

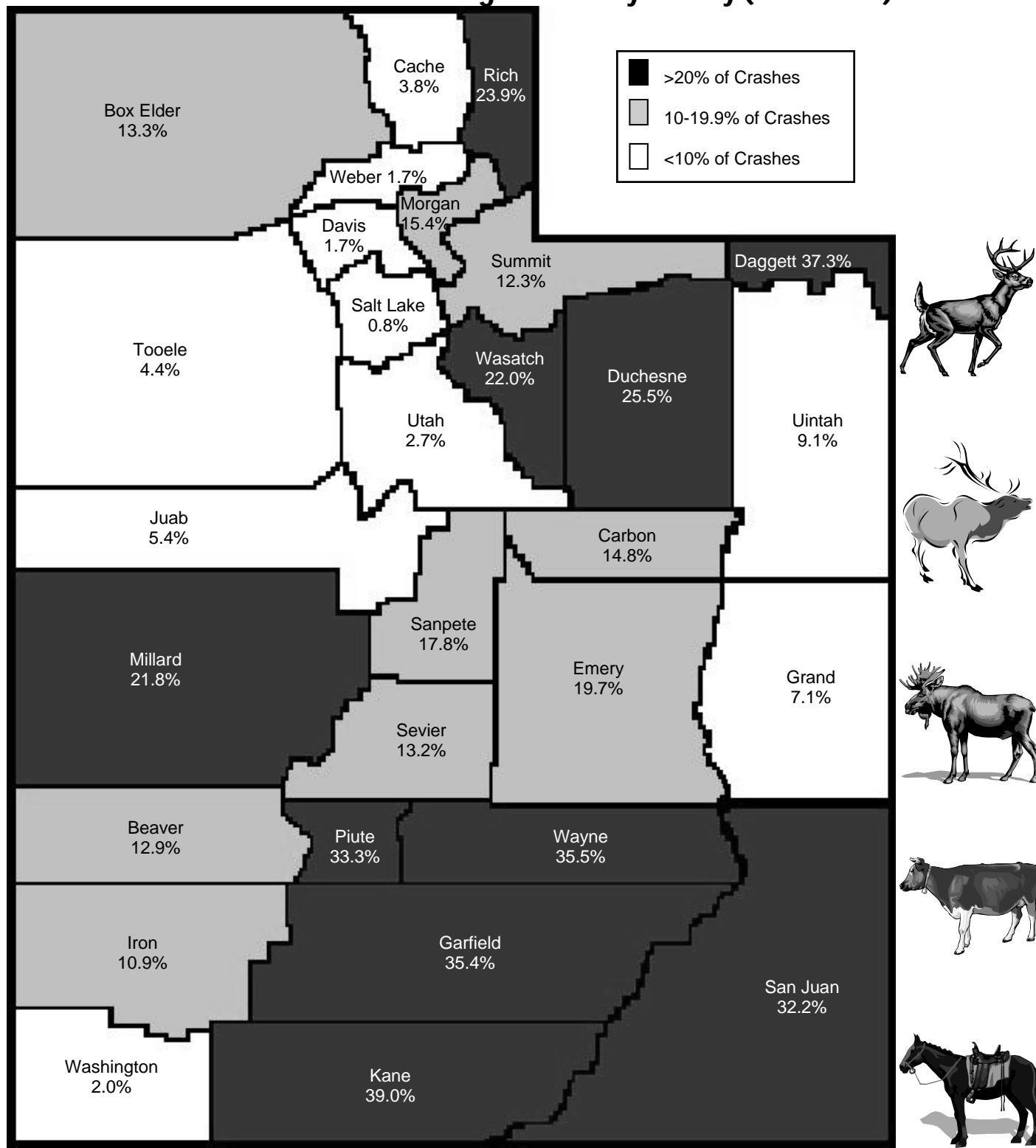
Driver Distraction (Utah 2006)

Crashes								
Driver Distraction	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
	#	%	#	%	#	%	#	%
None	27,316	72.4%	13,037	71.7%	100	40.2%	40,453	72.0%
Cell Phone	623	1.7%	354	1.9%	4	1.6%	981	1.7%
Radio/CD/DVD etc.	221	0.6%	139	0.8%	1	0.4%	361	0.6%
Other Electronic Device	64	0.2%	48	0.3%	0	0.0%	112	0.2%
Passengers	423	1.1%	362	2.0%	4	1.6%	789	1.4%
Other	1,976	5.2%	1,372	7.5%	11	4.4%	3,359	6.0%
Unknown	7,126	18.9%	2,877	15.8%	129	51.8%	10,132	18.0%
Total	37,749	100.0%	18,189	100.0%	249	100.0%	56,187	100.0%

- For all crashes where driver distraction was known, 12.2% of crashes involved a distracted driver. Cell phone was the leading driver distraction (17.5% of distractions).

Crash Characteristics

Percent of Crashes Involving Animals by County (Utah 2006)



- There were 2,146 collisions with animals in 2006, 1,824 (85.0%) involved a wild animal and 322 (15.0%) involved a domestic animal.
- Kane (39.0%), Daggett (37.3%), and Wayne (35.5%) had the highest percent of crashes involving an animal.

Crash Characteristics

Violations (Utah 2006)

Violations	Drivers							
	PDO Crashes		Injury Crashes		Fatal Crashes		Total	
	#	%	#	%	#	%	#	%
Following Too Close	2,187	16.4%	941	14.0%	0	0.0%	3,128	15.6%
Improper Lane Change/Travel	1,983	14.9%	781	11.6%	1	2.9%	2,765	13.7%
Speed	983	7.4%	379	5.6%	2	5.7%	1,364	6.8%
Improper Lookout	604	4.5%	328	4.9%	0	0.0%	932	4.6%
Driving Under the Influence	329	2.5%	330	4.9%	7	20.0%	666	3.3%
Insurance Violation	389	2.9%	203	3.0%	1	2.9%	593	2.9%
Improper Turn	371	2.8%	217	3.2%	0	0.0%	588	2.9%
License Violation	357	2.7%	194	2.9%	3	8.6%	554	2.8%
Negligent Collision	358	2.7%	159	2.4%	0	0.0%	517	2.6%
Failure to Yield Right of Way	228	1.7%	188	2.8%	5	14.3%	421	2.1%
Failure to Stop at Red Light	175	1.3%	183	2.7%	1	2.9%	359	1.8%
Equipment Violation	229	1.7%	57	0.8%	1	2.9%	287	1.4%
Improper Start or Stop	203	1.5%	71	1.1%	0	0.0%	274	1.4%
Hit and Run	186	1.4%	51	0.8%	0	0.0%	237	1.2%
Failure to Stop at Stop Sign	90	0.7%	87	1.3%	0	0.0%	177	0.9%
Wrong Side of Road	54	0.4%	46	0.7%	0	0.0%	100	0.5%
Registration Violation	59	0.4%	39	0.6%	1	2.9%	99	0.5%
Improper Backing	88	0.7%	4	0.1%	0	0.0%	92	0.5%
Improper Passing	60	0.4%	29	0.4%	0	0.0%	89	0.4%
Reckless Driving	42	0.3%	42	0.6%	1	2.9%	85	0.4%
Failure to Obey Traffic Control Device	40	0.3%	37	0.5%	0	0.0%	77	0.4%
Alcohol/Drug Violation, Other than DUI	33	0.2%	23	0.3%	2	5.7%	58	0.3%
Seatbelt/Child Restraint	17	0.1%	34	0.5%	0	0.0%	51	0.3%
Vehicle Homicide	0	0.0%	0	0.0%	9	25.7%	9	0.0%
Other Moving Violation	760	5.7%	472	7.0%	1	2.9%	1,233	6.1%
Other Non-Moving Violation	3,522	26.4%	1,833	27.2%	0	0.0%	5,355	26.6%
Total	13,347	100.0%	6,728	100.0%	35	100.0%	20,110	100.0%

- In 2006, there were 20,110 citations issued at the scene of the crash. The most common violations were for following too close (15.6%), improper lane change/travel (13.7%), and speed (6.8%).
- The leading violations in fatal crashes were for vehicle homicide (25.7%), driving under the influence (20.0%), and failure to yield right of way (14.3%).

Crash Characteristics

Contributing Factors (Utah 2006)

Drivers/Vehicles								
Contributing Factors	PDO Crashes		Injury Crashes		Fatal Crashes		Total Crashes	
	#	%	#	%	#	%	#	%
Followed Too Closely	6,390	13.6%	3,017	11.5%	0	0.0%	9,407	12.8%
Failed to Yield Right of Way	5,712	12.2%	3,549	13.5%	27	10.5%	9,288	12.6%
Speed Too Fast	4,853	10.3%	2,381	9.1%	52	20.3%	7,286	9.9%
Driver Distraction	3,414	7.3%	2,331	8.9%	5	2.0%	5,750	7.8%
Other Improper Driving	2,860	6.1%	1,736	6.6%	2	0.8%	4,598	6.3%
Vision Obscured by Weather Condition	2,682	5.7%	1,141	4.4%	3	1.2%	3,826	5.2%
Defective Condition of Vehicle	2,459	5.2%	1,055	4.0%	8	3.1%	3,522	4.8%
Failed to Keep in Proper Lane	1,658	3.5%	961	3.7%	7	2.7%	2,626	3.6%
Improper Turn	1,732	3.7%	675	2.6%	5	2.0%	2,412	3.3%
Swerved or Evasive Action	1,486	3.2%	768	2.9%	0	0.0%	2,254	3.1%
Disregard Traffic Signal/Sign	1,078	2.3%	1,141	4.4%	5	2.0%	2,224	3.0%
Driving Under the Influence	1,033	2.2%	998	3.8%	11	4.3%	2,042	2.8%
Ran Off Road	1,114	2.4%	912	3.5%	0	0.0%	2,026	2.8%
Improper Lane Change	1,514	3.2%	396	1.5%	4	1.6%	1,914	2.6%
Hit and Run	1,282	2.7%	426	1.6%	4	1.6%	1,712	2.3%
Overcorrected	912	1.9%	760	2.9%	2	0.8%	1,674	2.3%
Vision Obscured by Moving Vehicle	787	1.7%	531	2.0%	1	0.4%	1,319	1.8%
Asleep/Fatigue	637	1.4%	575	2.2%	10	3.9%	1,222	1.7%
Improper Backing	920	2.0%	62	0.2%	0	0.0%	982	1.3%
Driver Emotionally Upset	483	1.0%	424	1.6%	1	0.4%	908	1.2%
Improper Passing	601	1.3%	196	0.7%	4	1.6%	801	1.1%
Other Driver Condition	446	0.9%	352	1.3%	0	0.0%	798	1.1%
Vision Obscured by Other	464	1.0%	275	1.0%	0	0.0%	739	1.0%
Vision Obscured by Parked Vehicle	479	1.0%	239	0.9%	0	0.0%	718	1.0%
Improper Parking/Stopping	441	0.9%	206	0.8%	0	0.0%	647	0.9%
Reckless/Aggressive Driving	323	0.7%	231	0.9%	84	32.8%	638	0.9%
Vision Obscured by Glare	301	0.6%	186	0.7%	0	0.0%	487	0.7%
Illness	109	0.2%	180	0.7%	2	0.8%	291	0.4%
Wrong Side/Wrong Way	143	0.3%	130	0.5%	18	7.0%	291	0.4%
Disregard Road Markings	182	0.4%	101	0.4%	1	0.4%	284	0.4%
Vision Obscured by Building, Sign, etc.	144	0.3%	105	0.4%	0	0.0%	249	0.3%
Improper Signal	143	0.3%	46	0.2%	0	0.0%	189	0.3%
Windshield or Other Window Obscured	113	0.2%	59	0.2%	0	0.0%	172	0.2%
Vision Obscured by Vegetation	89	0.2%	75	0.3%	0	0.0%	164	0.2%
Total	46,984	100.0%	26,220	100.0%	256	100.0%	73,460	100.0%

- Some form of poor driver performance is present in the majority of crashes. The leading contributing factors for all crashes were followed too closely (12.8%), failed to yield right of way (12.7%), and speed too fast (9.9%).
- The leading contributing factors in fatal crashes were reckless/aggressive driving (32.8%), speed too fast (20.3%), and failed to yield right of way (10.5%).